Mitech®

PRODUCT CATALOGUE

MODERN CONSTRUCTION CHEMICALS

PRODUCT CATALOGUE

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POWERED BY NEW TECHNOLOGY
Microsphere®

MICROSPHERE
INNOVATIVE TECHNOLOGY

KNOW THE ADVANTAGES OF MITECH MICROSPHERE-POWERED PLASTERS AND PAINTS

- SIGNIFICANT APPLICATION IMPROVEMENT
- UV RADIATION RESISTANCE
- HIGHER COVERAGE
- BETTER INSULATION PROPERTIES
- REDUCED ABSORBENCY
- UV RADIATION RESISTANCE
- HIGHER MECHANICAL RESISTANCE
- REDUCED BIOLOGICAL CONTAMINATION

REDUCED ABSORBENCY

REDUCED HEAT CONDUCTION COEFFICIENT

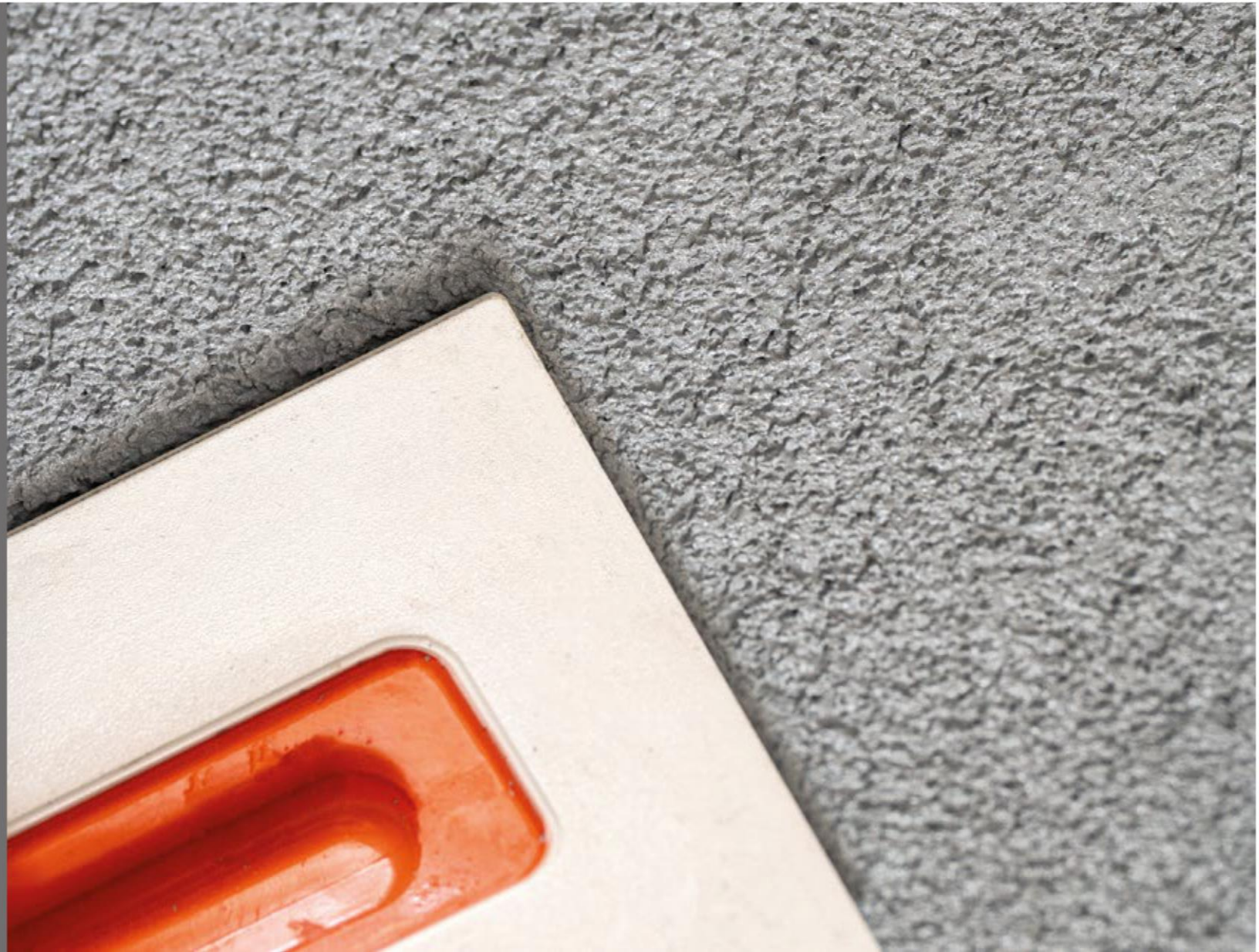
REDUCED UV RADIATION ABSORPTION

HIGHER THERMAL RESISTANCE

INCREASED IMPACT STRENGT OF PLASTER COATING

LOWER COST OF PLASTER COATING PER 1m^2 (APPROX.)

THIN LAYER PLASTERS



MITECH TAK

MICROSPHERE-POWERED ACRYLIC PLASTER

The MITECH TAK acrylic plaster is a ready to use plastering compound designed for application in the MITECH thermal insulation system for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere New Technology special formula used in the composition, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions.

Microsphere Technology

Flexible

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Easy application

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the acrylic plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. Spread the prepared plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, vertical or horizontal moves for pitted plaster, use small pressure on the trowel, evenly on the entire surface of the façade. In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece.

technical data

Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protect against overheating and freezing
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam
Structure	BR - dashed KR - pitted

coverage

STRUCTURE	CONSUMPTION
BR 1.0 mm, dashed texture	1.6 - 2.0 kg/m^2
BR 1.5 mm, dashed texture	2.0 - 2.5 kg/m^2
BR 2.0 mm, dashed texture	2.8 - 3.2 kg/m^2
KR 1.5 mm, pitted texture	1.8 - 2.2 kg/m^2
KR 2.0 mm, pitted texture	2.2 - 2.5 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
Declaration of Performance no. AM 7677
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. TAK-1-2021

MITECH TSI

MICROSPHERE-POWERED SILICONE PLASTER

The MITECH TSI silicone plaster is a ready to use plastering compound designed for application in the MITECH and MITECH M thermal insulation systems for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere New Technology special formula used in the composition, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions. It is hydrophobic and vapour-permeable.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicone plaster on absorbent substrates, prime every substrate with the MITECH GSI primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. Spread the prepared silicone plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, vertical or horizontal moves for pitted plaster, use small pressure on the trowel, evenly on the entire surface of the façade. In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece.

Microsphere Technology

Hydrophobic

Colour palette NATURAL COLLECTION

Colour palette VIP COLLECTION

Vapour-permeable

European Technical Assessment

technical data

Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protect against overheating and freezing
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam
Structure	BR - dashed KR - pitted

coverage

STRUCTURE	CONSUMPTION
BR 1.0 mm, dashed texture	1.6 - 2.0 kg/m^2
BR 1.5 mm, dashed texture	2.0 - 2.5 kg/m^2
BR 2.0 mm, dashed texture	2.8 - 3.2 kg/m^2
KR 1.5 mm, pitted texture	1.8 - 2.2 kg/m^2
KR 2.0 mm, pitted texture	2.2 - 2.5 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. SI 7679
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. TSI-2-2021

MITECH TSK

MICROSPHERE-POWERED SILICATE PLASTER

The MITECH TSK silicate plaster is a ready to use plastering compound designed for application in the MITECH and MITECH M thermal insulation systems for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere New Technology special formula used in the composition, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions. It reduces the development of biological contamination, it is vapour-permeable.

Microsphere Technology

Vapour-permeable

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Permanent binding with the substrate

European Technical Assessment

technical data	
Application temperature	from +10°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Priming	MITECH GSK silicate primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam A2-s2, d0 on mineral wool
Structure	BR - dashed KR - pitted

coverage	
STRUCTURE	CONSUMPTION
BR 1.0 mm, dashed texture	1.6 - 2.0 kg/m^2
BR 1.5 mm, dashed texture	2.0 - 2.5 kg/m^2
BR 2.0 mm, dashed texture	2.8 - 3.2 kg/m^2
KR 1.5 mm, pitted texture	1.8 - 2.2 kg/m^2
KR 2.0 mm, pitted texture	2.2 - 2.5 kg/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicate plaster on absorbent substrates, prime every substrate with the MITECH GSK silicate primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared silicone plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, vertical or horizontal moves for pitted plaster, use small pressure on the trowel, evenly on the entire surface of the façade.

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. SM 7679
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. TSK-3-2021

MITECH TAM

SPRAY-APPLIED ACRYLIC PLASTER

The MITECH TAM spray-applied acrylic plaster is a ready to use plastering compound designed for application in the MITECH thermal insulation system for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere special formula, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions. Perfect for spray application with mixing pumps and gun with a top-loaded tube.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the acrylic plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml/25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared plastering compound in a thin, even layer on the substrate, using a spray gun. Spray the plastering compound using a spray gun with nozzle diameter: 4.5 mm for 1.5 mm plaster grain, 6 mm for 2 mm plaster grain. Apply the compound from the distance of 40-50 cm, perpendicular to the wall surface, by guiding the spray gun in circular moves. The subsequent layers should slightly overlap on the previous layers. Spread the plaster on the entire piece of the wall, using the wet on wet method. Usually, it is enough to one layer is sufficient, however another layer (after letting the first layer dry) may be applied if justified. Spray application may be performed using a compressor set - compressor capacity 200 litres, capacity 400 l/ min, constant operating pressure 4.5 bar, pistol with top-loaded tube. Suitable operating nozzle, depending on the plaster grain.

Microsphere Technology

Flexible

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For spray

European Technical Assessment

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protect against overheating and freezing
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam
Structure	BR - dashed

coverage	
STRUCTURE	CONSUMPTION
BR 1.5 mm, dashed texture	1.8 - 2.2 kg/m^2
BR 2.0 mm, dashed texture	2.6 - 3.0 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. AM 7677 M
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. TAM-110-2021

MITECH ARTDECOR

MOSAIC ACRYLIC PLASTER WITH MIKI FLAKES

The MITECH ARTDECOR plaster is used to make decoration-protection plaster coatings, outdoors and indoors. Due to the high resistance to mechanical damage, it is particularly recommended for plinths, cornices and dados. Using the Miki mineral in the composition results in a decorative finish with a beautiful surface that reflects light in appropriate lighting. It is used in the MITECH seamless thermal insulation system for buildings, which is based on styrofoam and properly prepared mineral substrates, such as cement plasters, cement-lime plasters, concrete, indoors, also on plasterboards. It may also be used in connection with MITECH TEMPLATES to imitate brick and stone.

With Miki flakes

For use with templates

Easy application

Resistant to impact

Resistant to weather conditions

European Technical Assessment

For plinths and dados

For indoor and outdoor use

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette ARTDECOR NEW DESIGN
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	12 kg, pallet 44 pcs., 528 kg
Fire rating	B-s2, d0 on styrofoam
Structure	mosaic with Miki flakes

consumption	
Grain 1.2 mm	1.8 - 2.2 kg/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If reinforcement is required, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Do not use directly on gypsum substrates. Plasterboards should be coated with MITECH KO universal adhesive. Before applying the mosaic plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 120 ml per 12 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). After application, carefully smooth the entire surface with a short metal trowel. In order to avoid traces of connections, individual architectural elements should be made in a single working cycle, with the so-called wet on wet method.

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. AD 2427
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. ARTDECOR-9-2021

MITECH MK KAMELEON

MOSAIC ACRYLIC PLASTER

The MITECH MK KAMELEON mosaic plaster is a ready to use plastering compound designed for application in the MITECH thermal insulation system for buildings and on typical mineral outdoor and indoor bearing substrates. Due to the high resistance to mechanical damage, it is particularly recommended for plinths, cornices and dados. Available in versions with silver and gold glitter, as MITECH MK KAMELEON BROCCATO.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Do not use directly on gypsum substrates. Plasterboards should be coated with MITECH KO universal adhesive. Before applying the mosaic plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). After application, carefully smooth the entire surface with a short metal trowel. In order to avoid traces of connections, individual architectural elements should be made in a single working cycle, with the wet on wet method.

Resistant to impact

Resistant to weather conditions

For plinths and dados

Easy application

For indoor and outdoor use

European Technical Assessment

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette CHAMELEON MOSAIC PLASTERS
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 24 pcs., 600 kg 10 kg, pallet 44 pcs., 440 kg
Fire rating	B-s2, d0 on styrofoam
Structure	mosaic

consumption	
Grain 1.5 mm	4.0-4.5 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. TM 2426
ZKP Certificate no. 1020-CPR-070042018
Data sheet no. TM KAMELEON-7-2021
Data sheet no. TM KAMELEON BROCCATO-8-2021

MITECH TRS

ROLLER SILICONE PLASTER FOR ROLLER APPLICATION

The MITECH TRS silicone plaster is used to prepare decoration-protection thin layer plaster coating, outdoors and indoors, with structural roller or spray. Due to the microsphere used, it forms a durable hydrophobic coating with low absorbency, flexible coating with high resistance to weather conditions. The roller plaster may be used as façade coating in MITECH and MITECH M seamless thermal insulation systems for buildings and properly prepared mineral substrates, such as: cement-lime plasters, indoors, on plasterboards. Perfect for indoor passageways, it enables forming a layer to cover small scratches and levels minor surface unevenness.

Covers small cracks

Resistant to weather conditions

Easy application

For roller application

For spray application

For passageways

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the roller silicone plaster on absorbent substrates, prime every substrate with the MITECH GSI primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 16 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, using a structural sponge or looped roller (depending on the required effect), trowel the required structure. The roller plaster may also be applied directly using the structural or sponge roller, while bypassing the layer applied using the trowel. Depending on the expected effect, the second layer may be applied after letting the first layer dry. Perfect effect may be obtained by spray application of the roller plaster. For spray application, it is recommended to use e.g.: the Graco RTX 1500 or RTX 5500 X texture sprayer. Good spray results may be obtained by applying the plaster using the spraying assembly consisting of the compressor and the gun with tube and 2 mm operating nozzle.

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Priming	MITECH GSI primer matching the plaster colour
Washing tools	water
Packaging	16 kg, pallet 44 pcs., 704 kg
Structure	dashed

consumption	
Plaster for roller application	0.8 - 1.2 kg/m^2
Plaster for machine application	0.7 - 0.9 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2010
Declaration of Performance no. RL 4526
Data sheet no. TRS-91-2021

MITECH TRA

ROLLER ACRYLIC PLASTER FOR ROLLER APPLICATION

The MITECH TRA plaster is used to prepare decoration-protection thin layer plaster coating, outdoors and indoors, with structural roller or spray. Due to the microsphere used, it forms a durable hydrophobic coating with low absorbency, flexible coating with high resistance to weather conditions. The roller plaster may be used as façade coating in the MITECH seamless thermal insulation system for buildings and properly prepared mineral substrates, such as: cement-lime plasters, indoors, on plasterboards. Perfect for indoor passageways, it enables forming a layer to cover small scratches and levels minor surface unevenness.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the roller acrylic plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 150 ml per 16 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, using a structural sponge or looped roller (depending on the required effect), trowel the required structure. The roller plaster may also be applied directly using the structural or sponge roller, while bypassing the layer applied using the trowel. Depending on the expected effect, the second layer may be applied after letting the first layer dry. Perfect effect may be obtained by spray application of the roller plaster. For spray application, it is recommended to use e.g.: the Graco RTX 1500 or RTX 5500 X texture sprayer. Good spray results may be obtained by applying the plaster using the spraying assembly consisting of the compressor and the gun with tube and 2 mm operating nozzle.

Covers small cracks

Resistant to weather conditions

Easy application

For roller application

For spray application

For passageways

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Priming	MITECH FX primer matching the plaster colour
Washing tools	water
Packaging	16 kg, pallet 44 pcs., 704 kg
Structure	dashed

consumption	
Plaster for roller application	0.8 - 1.2 kg/m^2
Plaster for machine application	0.7 - 0.9 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2010
Declaration of Performance no. RL 4525
Data sheet no. TRA-11-2021

MITECH TSL

MICROSPHERE-POWERED SILOXANE PLASTER

The MITECH TSL siloxane plaster is a ready to use plastering compound designed for application in the MITECH and MITECH M thermal insulation systems for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere New Technology special formula used in the composition, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions. It is waterproof and vapour-permeable.

Microsphere Technology

Hydrophobic

Colour palette NATURAL COLLECTION

Easy application

Colour palette VIP COLLECTION

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the siloxane plaster on absorbent substrates, prime every substrate with the MITECH GSL siloxane primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared siloxane plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, vertical or horizontal moves for pitted plaster, use small pressure on the trowel, evenly on the entire surface of the façade.

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Priming	MITECH GSL siloxane primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam A2-s2, d0 on mineral wool
Structure	BR - dashed KR - pitted

coverage	
STRUCTURE	CONSUMPTION
BR 1.0 mm, dashed texture	1.6-2.0 kg/m^2
BR 1.5 mm, dashed texture	2.0-2.5 kg/m^2
BR 2.0 mm, dashed texture	2.8-3.2 kg/m^2
KR 1.5 mm, pitted texture	1.8-2.2 kg/m^2
KR 2.0 mm, pitted texture	2.2-2.5 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. SLM 7680
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. TSL-4-2021

MITECH TSISI

MICROSPHERE-POWERED SILICONE-SILICATE PLASTER

The MITECH TSISI silicone-silicate plaster is a ready to use plastering compound designed for application in the MITECH and MITECH M thermal insulation systems for buildings and on typical mineral outdoor and indoor bearing substrates. With the Microsphere New Technology special formula used in the composition, the plaster is easy to apply. On the substrate, it forms a coloured coating with increased resistance to variable weather conditions.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicone-silicate plaster on absorbent substrates, prime every substrate with the MITECH GSL siloxane primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 250 ml per 25 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Spread the prepared silicone-silicate plastering compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, vertical or horizontal moves for pitted plaster, use small pressure on the trowel, evenly on the entire surface of the façade.

Microsphere Technology

Hydrophobic

Colour palette NATURAL COLLECTION

Colour palette VIP COLLECTION

Vapour-permeable

Flexible

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Priming	MITECH GSL siloxane primer matching the plaster colour
Washing tools	water
Packaging	25 kg, pallet 32 pcs., 800 kg
Fire rating	B-s2, d0 on styrofoam A2-s2, d0 on mineral wool
Structure	BR - dashed KR - pitted

coverage	
STRUCTURE	CONSUMPTION
BR 1.0 mm, dashed texture	1.6 - 2.0 kg/m^2
BR 1.5 mm, dashed texture	2.0 - 2.5 kg/m^2
BR 2.0 mm, dashed texture	2.8 - 3.2 kg/m^2
KR 1.5 mm, pitted texture	1.8 - 2.2 kg/m^2
KR 2.0 mm, pitted texture	2.2 - 2.5 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. SISI 7682
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. TSISI-5-2021

MITECH TM

MINERAL PLASTER

The MITECH TM mineral plaster is a plaster coating designed for application in the MITECH and MITECH M thermal insulation systems for buildings and on typical mineral outdoor and indoor bearing substrates. If forms a durable mineral surface layer with high steam permeability and resistance to weather conditions.

Permanent binding with the substrate

Resistant to weather conditions

Easy application

For painting

Vapour-permeable

European Technical Assessment

technical data	
Application temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	12 months, in dry conditions, protect against rain and moisture
Storage temperature	from +5°C to +25°C
Colours	white colour for painting
Priming	MITECH FX primer
Washing tools	water
Packaging	25 kg, pallet 50 pcs., 1250 kg
Fire rating	B-s2, d0 on styrofoam A2-s2, d0 on mineral wool
Structure	dashed

consumption	
TM 1.5 mm, dashed texture	2.0-2.5 kg/m^2
TM 2.0 mm, dashed texture	3.0-3.5 kg/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the mineral plaster on absorbent substrates, prime every substrate with the MITECH FX primer.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 5.2-5.6 l and thoroughly mix with a low-speed mixer with basket mixer, until a uniform consistency is obtained. Leave for 10-15 minutes and after that period mix again the plaster. The mortar is ready for use. Depending on the air temperature and humidity, thus prepared mortar is ready for use for approx. 1.5 h. The preparation, application and drying of the mortar require temperature in the range of +5°C to +25°C (also applicable to the substrate temperature). In particular, pay attention to the uniform water dosing to prepare every packaging of the mortar. Do not add components other than water to the mineral plaster. Spread the prepared plaster mortar in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Then, use the short stainless steel trowel to remove the excess plaster up to the layer thickness corresponding to the aggregate in the compound (the material removed is suitable for re-use after mixing). Trowel the applied plaster with flat plastic trowel to obtain the required structure. Trowel with circular moves for dashed plaster, use small pressure on the trowel, evenly on the entire surface of the façade.

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. MT 7540
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. TM-6-2021

ADHESIVES FOR THERMAL INSULATION SYSTEMS

MITECH KS

ADHESIVE FOR BINDING STYROFOAM BOARDS

It is used for binding styrofoam boards to typical mineral substrates. It is used for the thermal insulation of external building walls in the MITECH seamless thermal insulation system.

Strong binding with the substrate

For manual application

Easy application

CE Certificate

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding styrofoam boards to weak substrates, perform the adhesion test. This test consists in binding several samples of styrofoam with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after min. 3 days. The load-bearing of the substrate is sufficient, when the rupture occurs in the styrofoam layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry (approx. 4-6 h) and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 6.25-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 2 hours. Apply the ready adhesive mortar on styrofoam boards in spots with the diameters of approx. 10-12 cm, 8-10 pcs., and around the circumference, in a thin layer with the width of approx. 4 cm. The properly applied adhesive mortar should cover min. 40% of the board surface. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. Bind the styrofoam with staggered boards. After pre-binding the mortar, after minimum 48 hours, grind the entire face surface of the glued boards with a styrofoam grater or trowel with coarse abrasive paper. In addition, attach the glued boards with mechanical connectors according to the technical design, not less than 4 pins per square metre (in accordance with the BSO Mitech instruction manual).

technical data	
Application temperature	from +5°C to +25°C
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Colour	grey
Usable life	2 hours
Drying time	24-48 hours
Shelf life	12 months store in a dry place, protect against rain and moisture
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
When binding styrofoam	4.0-5.0 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. KS 7466
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. KS-13-2021

MITECH KO

UNIVERSAL ADHESIVE FOR THERMAL INSULATION SYSTEMS

It is used to complete a fibreglass mesh-reinforced layer on styrofoam and to glue styrofoam boards to typical mineral substrates. It is used for the thermal insulation of external building walls in the MITECH seamless thermal insulation system. It may also be used to even (unevenness up to 5 mm) and smooth mineral substrates before applying paints and thin layer plasters.

SUBSTRATE PREPARATION

The substrate under the reinforced layer should be prepared in accordance with the BSO Mitech instruction manual. The surface of the styrofoam should be ground, de-dusted and dry. Before binding styrofoam boards, the substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding styrofoam boards to weak substrates, perform the adhesion test. This test consists in binding several samples of styrofoam with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after minimum 3 days of drying. The load-bearing of the substrate is sufficient, when the rupture occurs in the styrofoam layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 6.25-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 2 hours. Completion of the reinforced layer: The surface of the styrofoam boards, de-dusted after grinding, complete the fibreglass mesh-reinforced layer (at least 48 h after binding). Apply the prepared adhesive mortar on styrofoam boards in a continuous layer with the thickness of approx. 3-4 mm, in vertical and horizontal strips to the width of the reinforcement mesh. After application of the mortar, immediately immerse the fibreglass mesh so that it is evenly tensioned and fully immersed in the mortar. Place the subsequent mesh strips with an overlap of minimum 10 cm. If a smooth surface is not obtained, cover the dried reinforced layer of the glued mesh with another thin layer of adhesive mortar, with the thickness of approx. 1 mm, to fully even and smooth its surface. The thickness of the reinforced layer should be from 3 to 5 mm. Binding styrofoam: Apply the ready adhesive mortar on styrofoam boards in spots with the diameters of approx. 10-12 cm, 8-10 pcs., and around the circumference, in a thin layer with the width of approx. 4 cm. The properly applied adhesive mortar should cover min. 40% of the board surface. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. Bind the styrofoam with staggered boards. After pre-binding the mortar, after minimum 48 h, grind the entire face surface of the glued boards with a styrofoam grater or trowel with coarse abrasive paper. In addition, attach the glued boards with mechanical connectors according to the technical design, not less than 4 pins per square metre (in accordance with the BSO Mitech instruction manual).

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. KM 7566
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. KO-12-2021

Strong binding with the substrate

For graphite styrofoam

For manual application

CE Certificate

Contains microfibres

European Technical Assessment

technical data	
Application temperature	from +5°C to +25°C
Water mixing ratio • completion of reinforced layer - when binding styrofoam	6.25-6.5 l per 25 kg of adhesive 5.5-6.25 l per 25 kg of adhesive
Colour	grey
Usable life	2 hours
Drying time	24 hours
Shelf life	12 months store in a dry place, protect against rain and moisture
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
When binding styrofoam	4.0-5.0 kg/m^2
Completion of the reinforced layer	3.5-4.0 kg/m^2

MITECH KOB

WHITE UNIVERSAL ADHESIVE FOR THERMAL INSULATION SYSTEMS

It is used to complete a fibreglass mesh-reinforced layer on styrofoam and to glue white and grey styrofoam boards to typical mineral substrates. It is used for the thermal insulation of external building walls in the MITECH seamless thermal insulation system. It may also be used to even (unevenness up to 5 mm) and smooth mineral substrates before applying paints and thin layer plasters.

Strong binding with the substrate

For manual application

Contains microfibres

CE Certificate

European Technical Assessment

For graphite styrofoam

technical data	
Application temperature	from +5°C to +25°C
Water mixing ratio - completion of reinforced layer - when binding styrofoam	6.25-6.5 l per 25 kg of adhesive 5.5-6.25 l per 25 kg of adhesive
Colour	white
Usable life	2 hours
Drying time	24 hours
Shelf life	12 months store in a dry place, protect against rain and moisture
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
When binding styrofoam	4.0-5.0 kg/m^2
Completion of the reinforced layer	3.5-4.0 kg/m^2

SUBSTRATE PREPARATION

The substrate under the reinforced layer should be prepared in accordance with the BSO Mitech instruction manual. The surface of the styrofoam should be ground, de-dusted and dry. Before binding styrofoam boards, the substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding styrofoam boards to weak substrates, perform the adhesion test. This test consists in binding several samples of styrofoam with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after minimum 3 days of drying. The load-bearing of the substrate is sufficient, when the rupture occurs in the styrofoam layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 6.25-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 2 hours. Completion of the reinforced layer: The surface of the styrofoam boards, de-dusted after grinding, complete the fibreglass mesh-reinforced layer (at least 48 h after binding). Apply the prepared adhesive mortar on styrofoam boards in a continuous layer with the thickness of approx. 3-4 mm, in vertical and horizontal strips to the width of the reinforcement mesh. After application of the mortar, immediately immerse the fibreglass mesh so that it is evenly tensioned and fully immersed in the mortar. Place the subsequent mesh strips with an overlap of minimum 10 cm. If a smooth surface is not obtained, cover the dried reinforced layer of the glued mesh with another thin layer of adhesive mortar, with the thickness of approx. 1 mm, to fully even and smooth its surface. The thickness of the reinforced layer should be from 3 to 5 mm. Binding styrofoam: Apply the ready adhesive mortar on styrofoam boards in spots with the diameters of approx. 10-12 cm, 8-10 pcs., and around the circumference, in a thin layer with the width of approx. 4 cm. The properly applied adhesive mortar should cover min. 40% of the board surface. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. Bind the styrofoam with staggered boards. After pre-binding the mortar, after minimum 48 h, grind the entire face surface of the glued boards with a styrofoam grater or trowel with coarse abrasive paper. In addition, attach the glued boards with mechanical connectors according to the technical design, not less than 4 plugs per square metre (in accordance with the BSO Mitech instruction manual).

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
Declaration of Performance no. KM 7766 B
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. KOB-16-2021

MITECH MITOSIL

ADHESIVE FOR BINDING STYROFOAM, GRAPHITE, XPS BOARDS

It is used for binding styrofoam boards to typical mineral substrates on façades and foundations. It is used for the thermal insulation of external building walls in the MITECH seamless thermal insulation system. It is recommended for binding graphite styrofoam, extruded polystyrene (XPS) boards and styrofoam boards with one-sided felt cladding to existing lining of felt, sheet metal or concrete as part of thermal insulation of roofs. For use in a wide range of temperatures, recommended for use in autumn-winter or winter-spring periods. It enables performing thermal insulation works quickly, easily and comfortably.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding styrofoam boards to weak substrates, perform the adhesion test. This test consists in binding several samples of styrofoam with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after min. 3 days. The load-bearing of the substrate is sufficient, when the rupture occurs in the styrofoam layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry (approx. 4-6 h) and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Shake the packaging with the foam for approx. 30 seconds. Then attach the gun to the thread of the bottle set valve up. After mixing, apply the foam on the insulation board in line along the circumference of the board, 3-4 cm from the edge. Apply one line of adhesive in the middle of the board, in parallel to the long edge, with ~ 20 cm distance between the lines of adhesive. After application of the adhesive on the boards, wait for approx. 3-5 minutes, then press the board to the wall, avoid skinning the foam. The glued boards may be corrected within 5 minutes. When using the foam on ceilings, fastening elements must be used. Before binding insulation boards, attach starter strips. Bind the styrofoam with staggered boards. After pre-binding the adhesive, after minimum 2 hours of drying under optimum weather conditions, grind the entire surface of the glued boards with a trowel with coarse abrasive paper or styrofoam grater and attach with mechanical connectors in accordance with the technical design, however not less than 4 pieces per 1 m^2.

Strong binding with the substrate

Easy application

Ready-to-use

For graphite styrofoam

For XPS boards

technical data	
Application temperature	from -5°C to +25°C
Pre-hardening	approx. 2 hours
Full hardening	24 hours
Adhesion - to concrete - to styrofoam	> 0.1 MPa > 0.1 MPa
Shelf life	12 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Packaging	750 ml, 12 pcs./carton

consumption	
Consumption	750 ml is enough to bind 8-10 m^2

REFERENCE DOCUMENTS:
National Technical Assessment ITB-KOT-2020/1337
National Declaration of Performance KDWU 39-1002-2020
Data sheet no. MITOSIL-85-2021

MITECH KS-W

ADHESIVE FOR MINERAL WOOL BOARDS

It is used for binding mineral wool boards to typical construction substrates. It is used for the thermal insulation of external building walls in the MITECH M seamless thermal insulation system.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding mineral wool boards to weak substrates, perform the adhesion test. This test consists in binding several samples of mineral wool with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after min. 3 days. The load-bearing of the substrate is sufficient, when the rupture occurs in the mineral wool layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry (approx. 4-6 h) and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 6.25-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 2 hours. Binding mineral wool boards: Before applying the proper layer of adhesive on boards with distorted fibrous texture, apply a thin layer of adhesive on its surface, at the points where the adhesive will be applied to complete the bonding layer. Apply the ready adhesive mortar on mineral wool boards in spots with the diameters of approx. 10-12 cm, 8-10 pcs., and around the circumference, in a thin layer with the width of approx. 4 cm. The properly applied adhesive mortar should cover minimum 40% of the board surface. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. Bind mineral wool boards with staggered boards. After pre-binding the mortar, after minimum 48 h, the glued boards require additional attachment with mechanical connectors in accordance with the technical design. Before applying the proper layer of adhesive on lamella mineral boards, apply a thin layer of adhesive on its surface, at the points where the adhesive will be applied to complete the bonding layer. Apply the ready adhesive mortar on mineral wool boards with a notched trowel with the notch size of approx. 12 mm. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. After pre-binding the mortar, after minimum 48 h, the glued boards require additional attachment with mechanical connectors in accordance with the technical design.

Covers small cracks

Resistant to weather conditions

Easy application

For roller application

For spray application

For passageways

technical data	
Application temperature	from +5°C to +25°C
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Colour	grey
Usable life	2 hours
Drying time	24 hours
Shelf life	12 months store in a dry place, protect against rain and moisture
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Binding mineral wool	5.0-6.0 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0079
Declaration of Performance no. KW 7621
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. KSW-14-2021

MITECH KO-W

UNIVERSAL ADHESIVE FOR MINERAL WOOL

It is used to complete a fibreglass mesh-reinforced layer based on mineral wool and to glue mineral wool boards to typical mineral substrates. It is used for the thermal insulation of external building walls in the MITECH seamless thermal insulation system. It is also used to even unevenness up to 5 mm and smooth mineral substrates before the application of paints and thin layer plasters.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles, and then prime with the MITECH MG deep-penetrating agent. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Before binding mineral wool boards to weak substrates, perform the adhesion test. This test consists in binding several samples of mineral wool with the dimensions of 10x10 cm in different points on the façade and peeling them off manually after minimum 3 days of drying. The load-bearing of the substrate is sufficient, when the rupture occurs in the mineral wool layer. If the entire sample is peeled off with adhesive and substrate layer, it is necessary to clear the low-adhesion layer from the façade. Then, prime the substrate with the MITECH MG deep-penetrating, let it dry and repeat the adhesion test. If the test result is negative again, consider additional mechanical binding or appropriate substrate preparation.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 6.25-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 2 hours. Completion of the reinforced layer. The surface of the pinned and de-dusted mineral wool boards, at least 48 h after binding, complete the fibreglass mesh-reinforced layer. Apply the prepared adhesive mortar on mineral wool boards in a continuous layer with the thickness of approx. 3-4 mm, in vertical and horizontal strips to the width of the reinforcement mesh. After application of the mortar, immediately immerse the fibreglass mesh so that it is evenly tensioned and fully immersed in the mortar. Place the subsequent mesh strips with an overlap of minimum 10 cm. If a smooth surface is not obtained, cover the dried reinforced layer of the glued mesh with another thin layer of adhesive mortar, with the thickness of approx. 1 mm, to fully even and smooth its surface. The thickness of the reinforced layer should be from 3 to 5 mm. Binding mineral wool boards. Before applying the proper layer of adhesive on boards with distorted fibrous texture, apply a thin layer of adhesive on its surface, at the points where the adhesive will be applied to complete the bonding layer. Apply the ready adhesive mortar on mineral wool boards in spots with the diameters of approx. 10-12 cm, 8-10 pcs., and around the circumference, in a thin layer with the width of approx. 4 cm. The properly applied adhesive mortar should cover minimum 40% of the board surface. The mortar should not flow out on the board surface to prevent gaps between boards. After application of the mortar, immediately apply the board onto the wall, in the placed planned for it, and press it with a trowel. Bind mineral wool boards with staggered boards. After pre-binding the mortar, after minimum 48 h, the glued boards require additional attachment with mechanical connectors in accordance with the technical design.

Strong binding with the substrate

For manual application

Contains microfibres

CE Certificate

Easy application

European Technical Assessment

technical data	
Application temperature	from +5°C to +25°C
Water mixing ratio - completion of reinforced layer - binding mineral wool boards	6.25-6.5 l per 25 kg of adhesive 5.5-6.25 l per 25 kg of adhesive
Colour	grey
Usable life	2 hours
Drying time	24 hours
Shelf life	12 months store in a dry place, protect against rain and moisture
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Completion of the reinforced layer	5.0-6.0 kg/m^2
Binding mineral wool	5.0-6.0 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0079
Declaration of Performance no. KW 7620
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. KOW-15-2021

mitosil

Easy application

For XPS boards

POLYURETHANE FOAM ADHESIVE FOR STYROFOAM

For graphite styrofoam

APPLICATION TEMPERATURE UP TO EVEN

-5°C

READY-TO-USE

Strong binding with the

PRIMING AGENTS

MITECH FX

PRIMER FOR ACRYLIC, MINERAL AND MOSAIC PLASTERS

Acrylic primer designed for priming substrates before applying acrylic, mineral and mosaic plasters and exterior acrylic paints outdoors. It is used for priming the reinforced layer in the MITECH thermal insulation system and different types of substrate, such as: cement plasters, cement-lime plasters, concrete, gypsum plasters, plasterboards and flaxboards. The MITECH FX priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. The product is an inseparable components of the MITECH thermal insulation system for buildings. It is offered in the same colours as those used in plasters.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	6-8 hours
Plaster application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet: 33 pcs. , 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.25-0.28 kg/m^2

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller. When using coloured acrylic plasters, it is recommended to prime the substrate with the MITECH FX primer in colours matching the plaster colour.

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. AG 7678
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. FX-18-2021

MITECH GSI

PRIMER FOR SILICONE PLASTERS

Silicone primer designed for priming substrates before applying silicone plasters and exterior silicone paints outdoors. It is used for priming the reinforced layer in the MITECH and MITECH M thermal insulation systems and different types of substrate, such as: cement plasters, cement-lime plasters, concrete, gypsum plasters, plasterboards and flaxboards. The MITECH GSI silicone priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. The product is an inseparable component of the MITECH and MITECH M building thermal insulation systems. It is offered in the same colours as those used in plasters.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller. When using coloured silicone plasters, it is recommended to prime the substrate with the MITECH GSI primer in colours matching the plaster colour.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	6-8 hours
Plaster application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.25-0.28 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. AS 7679
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSI-19-2021

MITECH GSK

PRIMER FOR SILICATE PLASTERS

Silicate primer designed for priming substrates before applying silicate plasters and exterior silicate paints outdoors. It is used for priming the reinforced layer in the MITECH and MITECH M thermal insulation systems and different types of substrate, such as: cement plasters, cement-lime plasters, concrete, gypsum plasters, plasterboards and flaxboards. The MITECH GSK silicate priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. The product is an inseparable component of the MITECH and MITECH M building thermal insulation systems. It is offered in the same colours as those used in plasters.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	6-8 hours
Plaster application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.25-0.28 kg/m^2

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller. When using coloured silicate plasters, it is recommended to prime the substrate with the MITECH GSK primer in colours matching the plaster colour.

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. ASK 7678
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSK-21-2021

MITECH GSL

PRIMER FOR SILOXANE PLASTERS

Siloxane primer designed for priming substrates before applying siloxane plasters and exterior siloxane paints outdoors. It is used for priming the reinforced layer in the MITECH and MITECH M thermal insulation systems and different types of substrate, such as: cement plasters, cement-lime plasters, concrete, gypsum plasters, plasterboards and flaxboards. The MITECH GSL siloxane priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. The product is an inseparable component of the MITECH and MITECH M building thermal insulation systems. It is offered in the same colours as those used in plasters.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller. When using coloured siloxane plasters, it is recommended to prime the substrate with the MITECH GSL primer in colours matching the plaster colour.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	6-8 hours
Plaster application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.25-0.28 kg/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. ASL7680
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSL-20-2021

MITECH FOX

EQUALISING PRIMER

The MITECH FOX equalising primer is designed for priming MITECH TM thin layer mineral coatings and traditional cement-lime, cement and lime plasters. The equalising primer reduces the formation of lime efflorescence on newly made mineral plasters painted with exterior paints. The equalising primer permanently binds calcium hydroxide, which is generated during cement bonding, thus reducing the formation of lime efflorescence. It is used for proper preparation of mineral plaster before painting with exterior paints, in particular with the MITECH FSIR renovation silicone paint. The equalising primer is part of MITECH seamless thermal insulation systems.

SUBSTRATE PREPARATION

The typical substrate for priming is a layer of MITECH TM thin layer mineral plaster. The mineral plaster should be seasoned for minimum 3 days under optimum weather conditions, such as: temperature of 20^{0}C, relative humidity of 60%, the plaster should be absolutely dry, not flooded before priming, not frozen. Older plasters designed for priming should be dry, free from biological aggression, free from anti-adhesive particles, such as: dirt, dust, other contaminants. Remove any algae and fungi using MITECH GLOMIX.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging. Spread the primer in a thin, even layer on the substrate, using a brush or roller.

Protection from lime efflorescence

For brush application

For roller application

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	white, colourless after drying
Washing tools	water
Packaging	10 kg, pallet 44 pcs., 440 kg

consumption	
Consumption	0.1-0.15 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. GE 9300
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. FOX-22-2021

MITECH BETONGRUNT

BONDING PRIMER FOR DIFFICULT SUBSTRATES

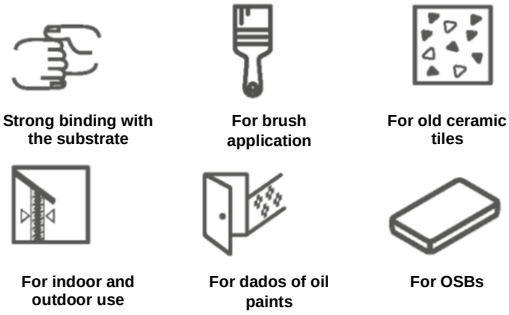
The MITECH BETONGRUNT primer is designed for priming substrates before gluing ceramic tiles and the application of manual and mechanical cement plasters and cement-lime plasters. Betongrunt reduces the absorbability of the substrate, forms a bonding layer with high bearing capacity between the substrate and the mortar used. Recommended to use on difficult surfaces, such as: plastic-based paint coatings, OSBs, terrazzo glass surfaces, old glazed tiles.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Preparatory works and primer application can start on newly made mineral surfaces, i.e. concrete, cement and cement-lime plasters, after at least 3-4 weeks of seasoning. Absorbing surfaces should be painted with MITECH MG deep penetrating agent.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. Spread the prepared primer in a thin, even layer on the substrate, using a brush.



technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	red
Washing tools	water
Packaging	21 kg, pallet 24 pcs., 504 kg 14 kg, pallet 44 pcs., 616 kg 7 kg, pallet 72 pcs., 504 kg

consumption	
Consumption	0.2-0.4 kg/m^2

REFERENCE DOCUMENTS:
Standard PN-C-81906
Declaration of Performance no. MI 7682
Data sheet no. BE-23-2021

MITECH MG RELAX

UNIVERSAL PRIMER

The MITECH MG RELAX universal primer is used for priming substrates for paints, trowel mortars, adhesive mortars, cement floors and wallpapers. It may be used on plasterboards, gypsum plasters, concrete and aerated concrete floors. The primer is used to reduce the substrate dustiness, as well as to increase the adhesion of paint coatings.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Preparatory works and primer application can start on newly made mineral surfaces, i.e. concrete, cement and cement-lime plasters, after at least 3-4 weeks of seasoning.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging. Spread the primer in a thin, even layer on the substrate, using a wide brush or paint roller.

For brush application

For roller application

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	4-6 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 kg, pallet 108 pcs., 540 kg

consumption	
Consumption	0.1-0.15 kg/m^2

REFERENCE DOCUMENTS:
Standard PN-C-81906
Declaration of Performance no. MGR 7771
Data sheet no. MGR-25-2021

MITECH MG

DEEP-PENETRATING PRIMER

The MITECH MG primer is used to prime absorbent and dusty mineral substrates before: painting with water-soluble acrylic and polyacetate paints, gluing styrofoam boards, gluing ceramic tiles, pouring cement and anhydrite floors. The primer is used to reduce the absorbability and dustiness of the primer substrate, as well as to increase the adhesion of paint coatings.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Preparatory works and primer application can start on newly made mineral surfaces, i.e. concrete, cement and cement-lime plasters, after at least 3-4 weeks of seasoning.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging. Spread the primer in a thin, even layer on the substrate, using a wide brush or paint roller.

Strong binding with the substrate

For brush application

For roller application

Deep-penetrating

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	4-6 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	milky
Washing tools	water
Packaging	15 kg, pallet 32 pcs., 480 kg 5 kg, pallet 108 pcs., 540 kg

consumption	
Consumption	0.1-0.15 kg/m^2

REFERENCE DOCUMENTS:
Standard PN-C-81906
Declaration of Performance no. MG 7772
Data sheet no. MG-24-2021

MITECH GSI-W

PRIMER FOR SILICONE PAINTS

The silicone primer is designed for priming substrates before the application of MITECH FSI EVOLINE and MITECH FSI-R EVOLINE exterior silicone paints. Contrary to the primer, the composition of MITECH GSI does not include a structure-forming aggregate. The MITECH GSI-W priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. It is offered in the same colours as those used in paints.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	6-8 hours
Paint application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.15-0.2 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. AS 7679
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSIW-27-2021

MITECH FX-W

PRIMER FOR EXTERIOR ACRYLIC PAINTS

Acrylic primer designed for priming substrates before the application of the MITECH FAZ EVOLINE exterior acrylic paint. Contrary to the primer, the composition of MITECH FX does not include a structure-forming aggregate. The MITECH FX-W priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. It is offered in the same colours as those used in paints.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	4-6 hours
Paint application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.15-0.20 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. AG 7678
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. FXW-26-2021

MITECH GSL-W

PRIMER FOR SILOXANE PAINTS

The siloxane primer is designed for priming substrates before the application of the MITECH FSL EVOLINE exterior siloxane paint. Contrary to the primer, the composition of MITECH GSL does not include a structure-forming aggregate. The MITECH GSL-W priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. It is offered in the same colours as those used in paints.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of aeration. In the summer period, it is permissible to dilute the product with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	6-8 hours
Paint application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.15-0.2 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. ASL7680
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSLW-29-2021

MITECH GSK-W

PRIMER FOR SILICATE PAINTS

The silicate primer is designed for priming substrates before the application of the MITECH FSK EVOLINE exterior silicate paint. Contrary to the primer, the composition of MITECH GSK does not include a structure-forming aggregate. The MITECH GSK-W priming agent reduces and unifies absorbability, reduces substrate dust formation and increases its adhesiveness. It is offered in the same colours as those used in paints.

SUBSTRATE PREPARATION

If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Every different substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Thin layer mineral coatings should be properly bonded and seasoned.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. In the summer period, it is permissible to dilute the plaster with a small amount of water, up to 10% of the volume. Spread the prepared primer in a thin, even layer on the substrate, using a brush or paint roller.

For brush application

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

Vapour-permeable

European Technical Assessment

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	6-8 hours
Paint application	after minimum 24 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg 10 kg, pallet 48 pcs., 480 kg 5 kg, pallet 72 pcs., 360 kg

consumption	
Consumption	0.15-0.2 kg/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. ASK 7678
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. GSKW-28-2021

NOTES

MICROSPHERE-POWERED EXTERIOR PAINTS

MITECH FAZ EVOLINE

MICROSPHERE-POWERED EXTERIOR ACRYLIC PAINT

It is designed to apply decoration, renovation and maintenance paint coatings on the outside of buildings. It forms a coloured matt coating. The paint is manufactured in the Microsphere technology. The Microsphere used in the paint increases its resistance to changing weather conditions, UV radiation and abrasion. The paint is perfect for painting new surfaces and renovation painting. It can be used on substrates such as: cement plasters, cement-lime plasters, concrete surfaces and thin layer acrylic and mineral plasters. The MITECH FAZ EVOLINE acrylic paint is part of the MITECH seamless thermal insulation system.

Microsphere Technology

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For airless spray

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the acrylic paint on absorbent substrates, prime every substrate with the MITECH FX or MITECH FX-W primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by hydrodynamic spray (airless). After application of the first layer, wait until it is pre-dried (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20ºC). The next coat of paints should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0.2-0.3 l/m^2
Textured surface	0.3-0.4 l/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
Declaration of Performance no. FAZ 8149
Factory Production Control Certificate no. 1020-CPR-070042018
Data sheet no. FAZ-33-2021

MITECH FSI EVOLINE

MICROSPHERE-POWERED EXTERIOR SILICONE PAINT

It is designed for decoration and renovation painting of thin layer mineral plasters, traditional cement-lime plasters, cement plasters and lime plasters outdoors. It forms a coloured, hydrophobic, vapour-permeable and matt coating. The paint is manufactured in the Microsphere technology. The Microsphere used in the paint increases its resistance to changing weather conditions, UV radiation and abrasion. The paint is perfect for painting historical structures. The MITECH FSI EVOLINE silicone paint is part of MITECH and MITECH M seamless thermal insulation systems and the old construction renovation system.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicone paint on absorbent substrates, prime every substrate with the MITECH GSI or MITECH GSI-W primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by hydrodynamic spray (airless). After application of the first layer, wait until it is dry (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20ºC). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

Microsphere Technology

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For airless spray

European Technical Assessment

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0,2-0,3 l/m^2
Textured surface	0.3-0.4 l/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance FSI 8150
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. FSI-34-2021

MITECH FSL EVOLINE

MICROSPHERE-POWERED EXTERIOR SILOXANE PAINT

It is designed for decoration and renovation painting of thin layer mineral plasters, traditional cement-lime plasters, cement plasters and lime plasters outdoors. The paint is manufactured in the Microsphere technology. The Microsphere used in the paint increases its resistance to changing weather conditions, UV radiation and abrasion. The paint is perfect for painting tenement houses, single- and multiple-family houses. The MITECH FSL EVOLINE siloxane paint is part of MITECH and MITECH M seamless thermal insulation systems.

Microsphere Technology

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For airless spray

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the siloxane paint on absorbent substrates, prime every substrate with the MITECH GSL or MITECH GSL-W primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by hydrodynamic spray (airless). After application of the first layer, wait until it is pre-dried (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20ºC). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0,2-0,3 l/m^2
Textured surface	0.3-0.4 l/m^2

REFERENCE DOCUMENTS:
European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. FSL 8350
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. FSL-35-2021

MITECH FSK EVOLINE

MICROSPHERE-POWERED EXTERIOR SILICATE PAINT

It is designed for decoration and renovation painting of thin layer mineral plasters, traditional cement-lime plasters, cement plasters and lime plasters outdoors. It bonds permanently with the substrate to form a matt coating with high vapour-permeability and resistance to weather conditions. Silicate paint is particularly recommended for painting new mineral plasters, since it enables starting the paint works quickly. Due to its bactericidal properties, silicate paint is designed for renovating old and historical structures. The paint is manufactured in the Microsphere technology. The Microsphere used in the paint increases its resistance to changing weather conditions, UV radiation and abrasion. The MITECH FSK EVOLINE silicate paint is part of MITECH and MITECH M seamless thermal insulation systems and the old construction renovation system.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicate paint, every substrate must be primed with the MITECH GSK or MITECH GSK-W primer. If the substrate is silicate plaster, wash the surface and let it dry before the application of paint.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by hydrodynamic spray (airless). After application of the first layer, wait until it is pre-dried (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20ºC). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

Microsphere Technology

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For airless spray

European Technical Assessment

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	24 hours
Gloss degree	matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0,2-0,3 l/m^2
Textured surface	0.3-0.4 l/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. FSK 8170
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. FSK-36-2021

MITECH FBA BARANEK (DASHED) EVOART

ACRYLIC PAINT STRUCTURAL COARSE 1.5 MM

Structural paint is used for decoration painting of walls and ceilings indoors and outdoors. It may be used on substrates made of plasterboards, cement-lime plasters, cement plasters, gypsum plasters, on the reinforced layer of the MITECH thermal insulation system. On painted substrate, it forms a coloured, matt coating with dashed structure. Paint is characterised by good hiding power. It covers small unevenness and cracks. The paint is available in selected colours of the Mitech colour palette.

Covers small cracks

Vapour-permeable

Easy application

For indoor and outdoor use

For roller application

Coarse structure 1.5 mm

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	G2, matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	in two-fold painting 0.6-0.8 l/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the structural paint on absorbent substrates, prime every substrate with the MITECH FX or MITECH FX-W primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains the ready-to-use product. Directly before use, mix the whole content of the packaging by mixing with basket mixer, until a homogeneous consistency is obtained. When painting, it is recommended to re-mix the product until a homogeneous consistency is obtained. Before painting works, it is recommended to test the paint application method. For painting, use a roller with short or medium bristle length. Alternatively, a structural sponge roller may be used. Apply the paint in two coats. Apply the paint by moving the roller from the bottom to the top to spread the paint in different directions. To obtain a homogeneous structure, it is recommended to apply the second coat after letting the first coat dry, depending on the weather conditions, after approx. 6 hours. The second coat should be applied in identical manner as the first coat.

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance FBA 8250
Data sheet no. FBA-39-2021

MITECH FPP PIASEK PUSTYNI (DESERT SAND) EVOART

ACRYLIC PAINT STRUCTURAL FINE 0.5 MM

Structural paint is used for decoration painting of walls and ceilings indoors and outdoors. It may be used on substrates made of plasterboards, cement-lime plasters, cement plasters, gypsum plasters, on the reinforced layer of the MITECH thermal insulation system. On painted substrate, it forms a coloured, matt coating with fine dashed structure. Paint is characterised by good hiding power. It covers small unevenness and cracks. The paint is available in selected colours of the Mitech colour palette.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the structural paint on absorbent substrates, prime every substrate with the MITECH FX or MITECH FX-W primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains the ready-to-use product. Directly before use, mix the whole content of the packaging by mixing with basket mixer, until a homogeneous consistency is obtained. When painting, it is recommended to re-mix the product until a homogeneous consistency is obtained. Before painting works, it is recommended to test the paint application method. For painting, use a roller with short or medium bristle length. Alternatively, a structural sponge roller may be used. Apply the paint in two coats. Apply the paint by moving the roller from the bottom to the top to spread the paint in different directions. To obtain a homogeneous structure, it is recommended to apply the second coat after letting the first coat dry, depending on the weather conditions, after approx. 6 hours. The second coat should be applied in identical manner as the first coat.

For roller application

Vapour-permeable

Easy application

For indoor and outdoor use

Fine structure 0.5 mm

Covers small cracks

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	G2, matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	in two-fold painting 0.5-0.7 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance FPP 8249
Data sheet no. FPP-38-2021

MITECH FBA SIL EVOART

EXTERIOR SILICONE PAINT STRUCTURAL COARSE 1.5 MM

The exterior water-soluble silicone structural paint is used for the decoration painting of the façade. It is characterised by good hiding power. It covers small unevenness and cracks. It is vapour-permeable and hydrophobic. On painted substrate, it forms a coloured coating with dashed structure. It may be used in MITECH and MITECH M thermal insulation systems, on cement-lime plaster, cement plaster and concrete substrates. The paint is available in selected colours of the Mitech colour palette.

Covers small cracks

Vapour-permeable

Easy application

For indoor and outdoor use

For airless spray

Coarse structure 1.5 mm

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	G2, matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	in two-fold painting 0.6-0.8 l/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the structural paint on absorbent substrates, prime every substrate with the MITECH GSI or MITECH GSI-W primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains the ready-to-use product. Directly before use, mix the whole content of the packaging by mixing with basket mixer, until a homogeneous consistency is obtained. When painting, it is recommended to re-mix the product until a homogeneous consistency is obtained. Before painting works, it is recommended to test the paint application method. For painting, use a roller with short or medium bristle length. Alternatively, a structural sponge roller may be used. Apply the paint in two coats. Apply the paint by moving the roller from the bottom to the top to spread the paint in different directions. To obtain a homogeneous structure, it is recommended to apply the second coat after letting the first coat dry, depending on the weather conditions, after approx. 6 hours. The second coat should be applied in identical manner as the first coat.

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance no. FBASIL 8251
Data sheet no. FBASIL-89-2021

MITECH FPP SIL EVOART

EXTERIOR SILICONE PAINT STRUCTURAL FINE 0.5 MM

The exterior water-soluble silicone structural paint is used for the decoration painting of the façade. It is characterised by good hiding power. It covers small unevenness and cracks. It is vapour-permeable and hydrophobic. On painted substrate, it forms a coloured coating with fine dashed structure. It may be used in MITECH and MITECH M thermal insulation systems, on cement-lime plaster, cement plaster and concrete substrates. The paint is available in selected colours of the Mitech colour palette.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the structural paint on absorbent substrates, prime every substrate with the MITECH GSI or MITECH GSI-W primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains the ready-to-use product. Directly before use, mix the whole content of the packaging by mixing with basket mixer, until a homogeneous consistency is obtained. When painting, it is recommended to re-mix the product until a homogeneous consistency is obtained. Before painting works, it is recommended to test the paint application method. For painting, use a roller with short or medium bristle length. Alternatively, a structural sponge roller may be used. Apply the paint in two coats. Apply the paint by moving the roller from the bottom to the top to spread the paint in different directions. To obtain a homogeneous structure, it is recommended to apply the second coat after letting the first coat dry, depending on the weather conditions, after approx. 6 hours. The second coat should be applied in identical manner as the first coat.

For roller application

Vapour-permeable

Covers small cracks

Easy application

Fine structure 0.5 mm

For indoor and outdoor use

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	G2, matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	in two-fold painting 0.5-0.7 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance no. FPPSIL 8248
Data sheet no. FPP SIL-87-2021

MITECH FSIR EVOLINE

MICROSPHERE-POWERED RENOVATION EXTERIOR SILICONE PAINT

It is designed for decoration and renovation painting of thin layer mineral plasters, traditional cement-lime plasters, cement plasters and lime plasters outdoors. The MITECH FSIR EVOLINE renovation silicone paint is recommended for painting historical structures, tenement houses and churches. It is perfect for use on single- and multiple-family residential buildings, as well as other buildings and building elements, in particular exposed to the destructive impact of weather conditions and surface soiling. The paint is manufactured in the Microsphere technology. The Microsphere used in the paint increases its resistance to changing weather conditions, UV radiation and abrasion. The MITECH FSIR EVOLINE silicone paint is part of MITECH and MITECH M seamless thermal insulation systems and the old construction renovation system.

Microsphere Technology

For roller application

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

For airless spray

European Technical Assessment

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the silicone paint, every substrate must be primed with the MITECH GSI or MITECH GSI-W primer. If the substrate is silicone plaster, wash the surface and let it dry before the application of paint.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by hydrodynamic spray (airless). After application of the first layer, wait until it is pre-dried (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20ºC). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	matt
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0,2-0,3 l/m^2
Textured surface	0.3-0.4 l/m^2

REFERENCE DOCUMENTS:

European Technical Assessment ETA 10/0078
European Technical Assessment ETA 10/0079
Declaration of Performance no. FSIR 8151
Factory Production Control Certificate no. 1020-CPR-070042018
Factory Production Control Certificate no. 1020-CPR-070042019
Data sheet no. FSIR-37-2021

PATCHING PLASTERS

MITECH INFINITY MAS

INTERIOR PATCHING PASTER

Ready-to-use patching plaster designed for smoothing wall and ceiling surfaces before painting with indoor acrylic paints or applying wallpapers in residential and utility rooms. On new or renovated surfaces, it forms a high quality white plaster coating. It may be used on mineral substrates, for patching plasterboards, cement-lime plasters, gypsum substrates and concrete substrates. It is a vapour-permeable coating based on fine ground minerals. It is designed for manual application or with sprayer.

Easy application

For Indoor use

For wet processing

For sprayer application

Easy to grind

Vapour-permeable

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, for example loose paint coatings, weak plasters, non-bonded wall particles. Refill the losses. If it is necessary to reduce the absorbability of the substrate, it is recommended to use the MITECH MG primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. Apply the patching compound in a thin even layer using a stainless steel trowel. A coat applied in one go should not exceed the thickness of 2 mm. Apply the subsequent coats after letting the previous coats dry. It is recommended to apply 2-3 coats. After drying, grind the patched surfaces with fine grain abrasive paper or grinding mesh. De-dust the surface after grinding. Before painting, prime with the MITECH MG primer. In case of application by airless spray, use nozzles with the diameter of 0.027 to 0.039 in. The product may be diluted with water, from 1% to 2%.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Priming	absorbent substrates - MITECH MG
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	white
Washing tools	water
Packaging	25 kg, pallet 33 pcs., 825 kg 5 kg, pallet 100 pcs., 500 kg

consumption	
Consumption	1-1.5 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2010
Declaration of Performance no. IN 16
Data sheet no. INF-75-2021

MITECH OUTSIDE MAS

OUTSIDE PATCHING PLASTER

Ready-to-use outside patching plaster designed for smoothing wall and ceiling surfaces before painting with exterior acrylic, silicate and silicone paints. It is suitable for even mineral substrates, cement plasters, cement-lime plasters, concrete and walls made in the MITECH and MITECH M seamless thermal insulation systems technology, smooth and intended for painting. It may be used for the renovation and repair of walls in staircases and corridors to form layers with increased mechanical resistance.

For sprayer application

For outdoor use

Vapour-permeable

For manual application

For wet processing

With reinforcement fibre

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, for example loose paint coatings, weak plasters, non-bonded wall particles. Level any substrate unevennes and losses with the MITECH ZW levelling mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. If it is necessary to reduce the absorbability of the substrate, it is recommended to use the MITECH MG primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. Apply the patching compound in a thin even layer using a stainless steel trowel. A coat applied in one go should not exceed the thickness of 2 mm. Apply the subsequent coats after letting the previous coats dry. It is recommended to apply 2-3 coats. After drying, grind the patched surfaces with fine grain abrasive paper. After grinding, de-dust the surface. Before painting, prime with the MITECH MG primer.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Priming	MITECH FX primer absorbent substrates - MITECH MG
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	white
Washing tools	water
Packaging	20 kg, pallet 33 pcs., 660 kg

consumption	
- On the reinforced layer of the thermal insulation system -On structural -Smooth surface	2.5-3.0 kg/m^2 3.5-4.2 kg/m^2 1.5-2.0 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance no. OM 4210
Data sheet no. OUT-74-2021

NEW

- HOSPITALS
- DOCTOR'S OFFICES
- DENTAL OFFICES
- LABORATORIES
- PHARMACIES
- RESIDENTIAL CONSTRUCTION

learn more on next page

HYPOALLERGENIC

ANTIBACTERIAL

NIZP CERTIFICATE

ABRASION CLASS 1

FOR AIRLESS SPRAY

INTERIOR PAINTS

MITECH BRILLANTE

INTERIOR MINERAL PAINT

Water-soluble interior mineral paint with increased hiding power and abrasion parameters. Designed for painting walls and ceilings made of plasterboards, cement-lime plasters, gypsum plasters and other typical construction substrates indoors. The paint may be used in hospitals, healthcare centres, day cares, nurseries, schools and other public utility facilities. The obtained paint coating is characterised by increased abrasion resistance, very high hiding power, good adhesion to the substrate and low emission of volatile organic compounds.

- For schools, hospitals, nurseries
- Vapour-permeable
- Microsphere Technology
- For airless spray
- Colour palette NATURAL COLLECTION
- For roller application
- Abrasion class 1
- NIZP-PZH certificate
- Colour palette VIP COLLECTION

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry and clean, not cracked and cleared of adhesive coatings, such as dust, grease, bitumen or other foreign objects. Remove any loose paint or plaster flakes. If the surface is coated with glue or oil paints, they should be carefully removed until the firm substrate is exposed. Absorbing surfaces should be painted with MITECH MG deep penetrating agent. Prime plasterboards and substrates of different absorbency and colour with the MITECH LG primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by airless spray. After application of the first layer, wait until it is dry (approximately 6 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat. The paint coating obtains its full strength properties 7 days from the application of the last coat.

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	6 hours
Gloss degree	matt
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	5 litres, pallet 72 pcs., 360 litres

consumption	
Smooth surface	0.14-0.16 l/m^2
Textured surface	0.2-0.28 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 13300:2002
Declaration of Performance no. MIN 8650
Hygienic Certificate NIZP-PZH
Data sheet no. BRILLANTE-42-2021

MITECH MEDICO+

ANTIBACTERIAL INTERIOR LATEX PAINT

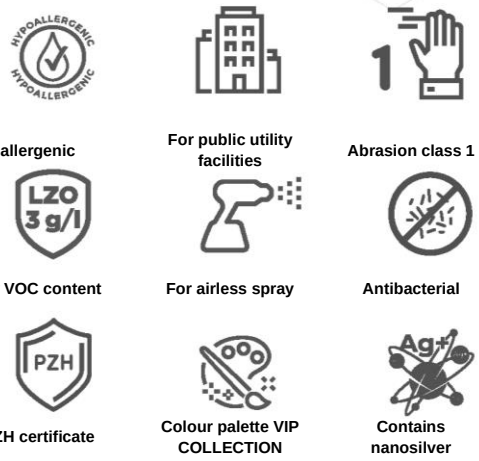
Antibacterial paint with nanosilver for painting interior walls and ceilings. It creates a durable coating with high sterility and resistance to bacteria and fungi. The paint is hypoallergenic and has a low content of volatile organic compounds. Thanks to its properties, it can be successfully used in health, education and public facilities. The surfaces painted with MITECH MEDICO+ paint have high resistance to cleaning and disinfecting agents and are resistant to washing and wet scrubbing. The product is perfect for painting substrates made of lime plasters, cement-lime plasters, cement plasters, concrete, gypsum, plasterboards and wallpapers.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry and clean, not cracked and cleared of adhesive coatings, such as dust, grease, bitumen or other foreign objects. Remove any loose paint or plaster flakes. If the surface is coated with glue or oil paints, they should be carefully removed until the firm substrate is exposed. Absorbing surfaces should be painted with MITECH MG deep penetrating agent. Prime plasterboards and substrates of different absorbency and colour with the MITECH LG primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by airless spray. After application of the first layer, wait until it is dry (approximately 2 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat. The paint coating obtains its full strength properties 7 days from the application of the last coat.



Hypoallergenic

For public utility facilities

Abrasion class 1

Very low VOC content

For airless spray

Antibacterial

NIZP-PZH certificate

Colour palette VIP COLLECTION

Contains nanosilver

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	2 hours
Gloss degree	matt
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l

consumption	
Smooth surface	0.16-0.18 l/m^2
Textured surface	0.2-0.3 l/m^2

REFERENCE DOCUMENTS:
European Standard EN-PN 13300:2002
Declaration of Performance no. MED 8570
Hygienic Certificate NIZP-PZH
Data sheet no. MED-101-2021

MITECH DIAMANTE

INTERIOR LATEX PAINT

It is used for painting indoor walls and ceilings made of lime plaster, cement-lime plaster, cement plaster, concrete, gypsum, plasterboards, wood and wood-based boards, brick, stone and wallpapers. On the painted substrate, it forms a coloured matt coating with high resistance to washing and wet scrubbing. It is perfect for painting new surfaces and renovation painting. It is characterised by strong hiding power, very high coverage and colour stability of the paint coating. The paint may be used in hospitals, healthcare centres, day cares, nurseries, schools and other public utility facilities.

For schools, hospitals, nurseries

Vapour-permeable

Microsphere Technology

For airless spray

Colour palette NATURAL COLLECTION

For roller application

Abrasion class 1

NIZP-PZH certificate

Colour palette VIP COLLECTION

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry and clean, not cracked and cleared of adhesive coatings, such as dust, grease, bitumen or other foreign objects. Remove any loose paint or plaster flakes. If the surface is coated with glue or oil paints, they should be carefully removed until the firm substrate is exposed. Absorbing surfaces should be painted with MITECH MG deep penetrating agent. Prime plasterboards and substrates of different absorbency and colour with the MITECH LG primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by airless spray. After application of the first layer, wait until it is dry (approximately 2 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat. The paint coating obtains its full strength properties 7 days from the application of the last coat.

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	2 hours
Gloss degree	matt
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	selected colours of colour palettes: VIP COLLECTION and NATURAL COLLECTION
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0.14-0.16 l/m^2
Textured surface	0.2-0.3 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 13300:2002
Declaration of Performance no. LEX 8550
Hygienic Certificate NIZP-PZH
Data sheet no. DIAMANTE-41-2021

MITECH PERFETTO

INTERIOR ACRYLIC PAINT

It is designed to apply decoration and renovation paint coatings on walls and ceilings indoors. On the painted substrate, it forms a coloured matt coating with high resistance to washing and scrubbing. It is perfect for painting new surfaces and renovation painting. It may be used on substrates, such as: concrete surfaces, cement plasters, cement-lime plasters, gypsum plasters as well as plasterboards, wallpapers and glass fibres. The paint may be used in hospitals, healthcare centres, day cares, nurseries, schools and other public utility facilities.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry and clean, not cracked and cleared of adhesive coatings, such as dust, grease or other foreign objects. Remove any loose paint or plaster flakes. If the surface is coated with glue or oil paints, they should be carefully removed until the firm substrate is exposed. Absorbing surfaces should be painted with MITECH MG deep penetrating agent. Prime plasterboards and substrates of different absorbency and colour with the MITECH LG latex-acrylic primer.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by airless spray. After application of the first layer, wait until it is dry (approximately 2 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

For roller application

For manual application

For airless spray

Colour palette VIP COLLECTION

Colour palette NATURAL COLLECTION

NIZP-PZH certificate

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	2 hours
Gloss degree	matt
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette VIP COLLECTION 305 colours colour palette NATURAL COLLECTION 70 colours
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption	
Smooth surface	0.15-0.2 l/m^2
Textured surface	0,2-0,3 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 13300:2002
Declaration of Performance no. FAW 8250
Hygienic Certificate NIZP-PZH
Data sheet no. PERFETTO-40-2021

MITECH LG

LATEX-ACRYLIC PRIMER PAINT FOR INTERIORS

The primer is used for the one-time priming of plasterboard before painting with interior paints. It is recommended as a primer layer for substrates with varying absorptivity and heterogeneous colour in interiors, on cement-lime and gypsum plasters, and fibreglass wallpapers. The primer paint has very high covering properties, it equalizes absorptivity and alleviates the differences in the substrate colour. In addition, it strengthens the substrate and increases the grip of the subsequent outer layer, reducing their wear. It is perfect as a primer for painting with MITECH DIAMANTE and MITECH MEDICO+ latex paint, MITECH BRILLANTE mineral paint and MITECH PERFETTO acrylic paint. Recommended for use to change the colour of a painted surface, from dark to light.

High hiding power

For Indoor use

Easy application

For airless spray

For GK boards

For roller application

SUBSTRATE PREPARATION

The substrates should be clean, smooth, load-bearing, degreased and compact. Loose grains and soiling should be mechanically removed. Remove old coats of chalk paints or scaling layers. Old cement and lime plasters and highly absorbent substrates should be first primed with MITECH MG primer. Defects and bumps of up to 15 mm should be evened with MITECH ZW levelling mortar. The final stage is to patch using the MITECH INFINITY MAS plaster, de-dust and prime the sanded plaster areas. In the case of new cement plasters, a minimum 4-week seasoning period should be maintained, or 2 weeks for gypsum plasters. Substrates with visible biological contamination should be disinfected with the MITECH GLOMIX product, cleaned and left to dry, after removing the cause.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, mix the whole content of the packaging with a basket mixer, until a uniform consistency is obtained. If needed, dilute with water, max. 10% by volume. Apply the priming paint on a properly prepared substrate in one layer, using a roller, by airless spraying or by brush. After application of the priming paint, wait until it is dry, which under the optimum conditions of a relative air humidity of 60% and temperature of 20°C is approximately 6 hours. Then apply the topcoat over the dry priming paint as the final layer.

technical data

Application and substrate temperature	from +10°C to +25°C
Drying time	6 hours
Gloss degree	matt
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	white
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs., 360 l

consumption

Consumption	0.1-0.12 l/m^2

REFERENCE DOCUMENTS:
Standard PN-C 81914:2002
Declaration of Performance no. LEG 8260
Data sheet no. LG-43-2021

PRODUCTS FOR DECORATIVE EFFECTS

MITECH ARTBETON EVOART

DECORATIVE PLASTER CONCRETE IMITATION

Used to make decoration plaster coatings outdoors and indoors. It forms a durable and flexible external coat with high resistance to weather conditions. It is used for creative completion of the surface coat in the MITECH seamless thermal insulation system and on even and properly prepared mineral substrates, i.e. concrete, cement plasters and cement-lime plasters, plasterboards. Proper application enables obtaining the effect of concrete with discolourations, imitation of the formwork, planking or pitting and losses. As the finish coat, the MITECH ARTPAINT EVOART staining paint is used.

For indoor and outdoor use

Contains microfibres

Vapour-permeable

Compliant with PN-EN 15824

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass mesh with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the plaster on absorbent substrates, prime every substrate with the MITECH FX primer in white colour.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. CAUTION! In the summer period, it is permissible to dilute the plaster with a small amount of water. Add max. 100 ml/15 kg of the compound, however the same amount of water should be added do every package used on a single piece of architecture to ensure a uniform colour of the plastered piece. Decorative plaster must be applied in two coats. Spread the prepared decorative plaster in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Let the first smooth coat dry for approx. 12 hours On the dry coating, apply another smooth coat using a short Venetian trowel (made of low-carbon steel). Obtain the required structure by pulling the trowel away from the wet surface to form the so-called honeycombs, which must be evenly smoothed after approx. 1 hour. In place of the honeycombs, concrete pitting will be obtained, while in levelled areas, a smooth surface will be formed. To obtain a smoother surface, the required area may be sprinkled with water using a manual sprayer. To obtain the imitation of formwork on a still wet plaster surface, using for example the roller handle (stylus, key) and level or staff, make horizontal and vertical lines to imitate formwork boards. To obtain the imitation of attachment of boards, press the bottom circular part of the roller handle and turn it gently. Let the obtained plaster structure dry for approx. 24 hours. After letting the second coat dry, apply the staining paint. Apply the staining paint with roller or brush evenly on the surface of the decorative compound. After a few minutes of application, evenly smooth the paint and wipe with sponge. When painting with staining paint, consider the application surface, the number of employees, weather condition to avoid the formation of paint joints.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	approx. 12 hours
Priming	MITECH FX primer, white
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	white
Washing tools	water
Packaging	15 kg, pallet 44 pcs., 660 kg 7.5 kg, pallet 72 pcs., 540 kg

consumption	
Consumption per coat	1.3-1.5 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2009
Declaration of Performance no. ART 8650
Data sheet no. ARTBETON-49-2021

MITECH ARTPAINT EVOART

STAINING PAINT FOR DECORATIVE EFFECTS

MITECH ARTPAINT EVOART is a ready-to-use staining paint designed as the final coat for obtaining the concrete effect and plank effect on the façade. Staining paint may be also used indoors. It forms a durable and flexible coat with high resistance to weather conditions.

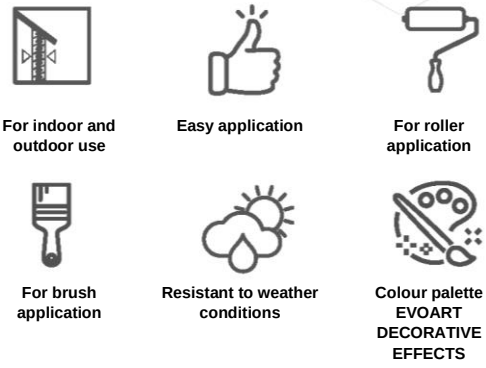
SUBSTRATE PREPARATION

The substrate is a structure layer made of MITECH ARTBETON EVOART decorative compound (completion of the concrete structure, see the data sheet of the ARTBETON decorative plaster) and a structure layer made of decorative compound for plank effect (see the instructions for plank imprint).

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. Painting the decorative concrete structure. Evenly apply the paint with roller or brush on the dry decorative compound surface. After a few minutes of application, evenly wipe the paint with a sponge to obtain the characteristic imitation of raw concrete. When painting with staining paint, consider the application surface, the number of employees, weather condition to avoid the formation of paint joints. Painting the plank imprint in decorative compound. Before painting the imprint made of decorative compound, prime the surface with the MITECH FOX equalising primer. Depending on the expected effect, apply the staining paint with:

1. Roller or brush, evenly on the decorative compound surface. After a few minutes of application, evenly wipe the paint with a sponge to obtain the characteristic rustic plank.
2. Brush, in two coats, along the grains of the plank imprint to obtain plank with full paint cover.



For indoor and outdoor use | **Easy application** | **For roller application**

For brush application | **Resistant to weather conditions** | **Colour palette EVOART DECORATIVE EFFECTS**

technical data	
Application and substrate temperature	from 5°C to +25°C
Drying time	6 hours
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette EVOART DECORATIVE EFFECTS
Washing tools	water
Packaging	2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	0.1-0.15 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance no. ART 8600
Data sheet no. ARTPAINT-51-2021

MITECH DEKOMASA EVOART

EVOART DECORATIVE PLASTER

The decorative acrylic compound is designed to make decorative plasters on the façade and indoors. Proper application enables making high quality decorative effects: brick, old brick, plank, rust, metallic rust, old Venetian plaster etc. DEKOMASA is ready to use. After drying, it forms a durable, flexible layer with high resistance. The compound may be used on even and properly prepared mineral substrates outdoors and indoors, such as: the reinforcement layer of the thermal insulation system, cement plasters and cement-lime plasters, concrete. Indoors, also on plasterboards. As the finish coat of the plank effect, the MITECH ARTPAINT EVOART staining paint is used. As additional protection to improve the water resistance and durability of the brick, old brick and rust effect, the MITECH LAKIER EVOART protection coating is used.

For indoor and outdoor use

Easy application

Vapour-permeable

Compliant with PN-EN 15824

For use with templates

Colour palette EVOART DECORATIVE EFFECTS

technical data

Application and substrate temperature	from +5°C to +25°C
Drying time	approx. 12 hours
Priming	MITECH FX primer
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette EVOART DECORATIVE EFFECTS
Washing tools	water
Packaging	15 kg, pallet 44 pcs., 660 kg 5 kg, pallet 92 pcs., 460 kg

consumption

Consumption per coat depends on the method used	1.5-2.0 kg/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the plaster on absorbent substrates, prime every substrate with the MITECH FX primer in white colour or in joint colour for brick effect.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. Spread the prepared decorative compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Depending on the expected final texture, make the pattern immediately with: plastic trowel, Venetian trowel, brush, roller etc. After letting the applied coat of DEKOMASA dry (for minimum 12 hours of drying under optimum condition), apply the staining paint in the required colour. Evenly apply the staining paint with roller or brush on the decorative compound surface. After a few minutes of application, evenly wipe the paint with a sponge to obtain the characteristic sponging. When painting with staining paint, consider the application surface, the number of employees, weather condition to avoid the formation of paint joints.

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2009
Declaration of Performance no. AKM 4520
Data sheet no. DEKOMASA-50-2021

MITECH DEKOMASA SIL EVOART

EVOART DECORATIVE PLASTER

The decorative silicone compound is designed to make decorative plasters on the façade and indoors. Aggregate with grain up to 0.5 mm enables obtaining a smooth structure. Proper application enables making high quality decorative effects: brick, old brick, sandstone plank, rust, metallic rust, old Venetian plaster etc. The DEKOMASA SIL silicone decorative compound is ready to use. After drying, it forms a durable, flexible layer with high resistance to precipitation, it is vapour-permeable. The compound may be used on even and properly prepared mineral substrates outdoors and indoors, such as: the reinforcement layer of the thermal insulation system, cement plasters and cement-lime plasters, concrete. Indoors, also on plasterboards.

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or MITECH KOB adhesive mortar on the entirety. If the first mortar application is insufficient, unevenness are not eliminated and the layer is not smooth, repeat this step after letting the first adhesive mortar layer dry. If the substrate requires reinforcement, immerse the fibreglass with the minimum basis weight of 145 g/m^2 in adhesive mortar. If the substrate is the reinforced layer of the thermal insulation system, it should be completed in accordance with the BSO Mitech instruction manual. Before applying the plaster on absorbent substrates, prime every substrate with the MITECH GSI silicone primer in plaster colour or in joint colour for brick effect.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. After it is obtained, further mixing is not recommended due to the risk of compound aeration. Spread the prepared decorative compound in a thin, even layer on the substrate, using a smooth stainless steel trowel for that purpose. Depending on the expected final texture, make the pattern immediately with: plastic trowel, Venetian trowel, brush, roller etc. After letting the applied coat of DEKOMASA dry (for minimum 12 hours of drying under optimum condition). The coating may be in addition protected with MITECH LAKIER EVOART. Apply the protective coating with a roller on the decorative compound surface.


For indoor and outdoor use


Easy application


Vapour-permeable

Compliant with PN-EN 15824


For use with templates


Colour palette EVOART DECORATIVE EFFECTS

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	approx. 12 hours
Priming	MITECH GSI primer
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	colour palette EVOART DECORATIVE EFFECTS
Washing tools	water
Packaging	15 kg, pallet 44 pcs., 660 kg 5 kg, pallet 92 pcs., 460 kg

consumption	
Consumption per coat depends on the method used	1.5-2.0 kg/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 15824:2009
Declaration of Performance no. AKS 4521
Data sheet no. DEKOMASA-SIL-103-2023

MITECH METALIK EVOART

PAINT WITH METALLIC GLOSS

Used to make decoration paint coatings outdoors and indoors. On the substrate to paint, it creates a coloured coating with metallic gloss, high resistance to weather conditions and increased abrasion resistance. MITECH METALIK EVOART is required to obtain the Metallic Rust effect. It is also suitable for smooth coatings made of MITECH OUTSIDE MAS outside matching paster, MITECH DEKOMASA EVOART multi-purpose decorative plaster or MITECH KOB white universal adhesive, trowelled using a trowel with sponge. The Metalik paint is available in the following colours: gold, silver and copper.

Colour palette EVOART DECORATIVE EFFECTS

For roller application

For airless spray

Easy application

Compliant with EN-PN 1062-1

Resistant to abrasion

Increased resistance to soiling

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX (see the product data sheet). Remove any low-adhesion, loose plaster flakes and paint coatings. Level any unevenness and losses in the substrate with MITECH ZW levelling mortar and then apply the MITECH KO or KOB adhesive mortar on the entirety. If paint is applies in the thermal insulation system, the substrate is the MITECH OUTSIDE MAS outside patching plaster (see the product data sheet). The MITECH DEKOMASA EVOART multi-purpose decorative plaster must be trowelled smooth with plastic trowel or trowel with sponge. The MITECH KOB white universal adhesive must be trowelled with trowel with sponge, left to dry, primed with the MITECH MG deep-penetrating primer or MITECH FOX equalising primer. The substrate for the Metallic Rust effect is a structure made of the MITECH DEKOMASA EVOART multi-purpose decorative plaster in the GRAFIT D03 colour.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water, max. 5% by volume. Apply two coats of the paint on a properly prepared substrate with a brush, roller or by spray. After application of the first layer, wait until it is dry (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry. The paint coating is fully hardened 24 hours after the application of the last coat.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Gloss degree	Gloss
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colours	gold, silver, copper of the EVOART colour palette
Washing tools	water
Packaging	2.5 l, pallet 92 pcs., 230 l

consumption	
Smooth surface	0.1-0.12 l/m^2
Textured surface	0.15-0.25 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
Declaration of Performance MET 1001
Data sheet no. METALIK-103-2021

MITECH LAKIER EVOART

PROTECTIVE COATING

Used to protect dado coatings in public utility facilities: schools, nurseries, healthcare facilities. Used outdoors to protect the façade made of the MITECH DEKOMASA EVOART decorative compound, which imitates template brick or rust. With its properties, it protects the coating from adverse weather conditions by additionally hardening it. The coatings made with the VARNISH are hydrophobic, resistant to soling and easy to clean.

SUBSTRATE PREPARATION

The recommended substrates are indoor paints: MITECH PERFETTO, MITECH DIAMANTE i MITECH BRILLANTE, outdoor decorative effects made of the MITECH DEKOMASA EVOART decorative compound, such as: brick, old brick, rust effect. Other substrates should be load-bearing, even, smooth, dry and clean, not cracked and cleared of adhesive coatings, such as dust, grease, bitumen or other foreign objects. Do not use the varnish on surfaces that have not been painted before.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, very thoroughly mix the whole content of the packaging. The product should not be aerated.

For schools, hospitals, nurseries

Resistant to abrasion

For dados

For roller application

For indoor and outdoor use

Increased resistance to soiling

technical data	
Application and substrate temperature	from +10°C to +25°C
Drying time	2 hours
Gloss degree	gloss
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l

consumption	
Consumption	0.08-0.16 l/m^2

REFERENCE DOCUMENTS:
European Standard PN-EN 1062-1
European Standard PN-EN 13300
Declaration of Performance no. LAK 8270
Data sheet no. LAKIER-86-2021

NOTES

ADHESIVES FOR CERAMIC TILES

MITECH KE FLEX

FLEXIBLE GEL ADHESIVE FOR CERAMIC TILES, CATEGORY C2TE

MITECH KE FLEX gel adhesive is designed for binding absorbent and non-absorbent ceramic and stone tiles on typical mineral surfaces inside and outside buildings. Recommended for installing tiles in areas exposed to difficult use conditions and changing weather conditions. For laying tiles on underfloor heating, hydro-insulation, terraces and balconies, and for large format tiles. The gel technology used in the adhesive allows you to adjust its consistency and provides a much wider range of water dosing compared to standard cement glue. Depending on the installation needs, you can get an improved spread of the adhesive mortar to optimise the binding adhesion, particularly on horizontal surfaces. The increased amount of mixing water also means that tiles can be laid safely and adhesive can dry on balconies and terraces in direct sunlight. The optimal distribution of the adhesive mortar is also achieved by applying the adhesive of 1appropriate consistency to large format tiles. Limited runoff allows the ceramic tiles to be laid from the top. After selecting the appropriate consistency, you can apply the adhesive mortar of varying thickness of layer from 2 to 15 mm, allowing you to install thin-layer cladding on even surfaces, patch uneven surfaces and apply thick layers of adhesive on uneven surfaces without the need for patching.

Adjustable consistency

For underfloor heating

For indoor and outdoor use

For floors and walls

Gel technology

For large format tiles

Compliant with PN-EN 12004

Class C2TE

Easy application

SUBSTRATE PREPARATION

The recommended surfaces for the MITECH FLEX gel adhesive mortar are: cement plasters, cement-lime plasters, concrete, plasterboards, cement or anhydrite floors and screeds, walls made of brick, ceramic or cellular block, OSB boards (after appropriate preparation) and waterproofing. Each surface should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX, wash it and let it dry. Remove any low-adhesion surfaces, i.e. loosened plasters and paint coats, including chalk paint coats. Prime absorbent surfaces with MITECH MG deep penetrating agent. Prime low-adhesion, low-absorbency substrates with the MITECH BETONGRUNT bonding primer. Install hydro-insulation in accordance with the recommendations in the product data sheet and season it appropriately.

PRODUCT PREPARATION AND APPLICATION

Pour 6.5-8.25 l of water and then pour 25 kg of adhesive mortar to a container. Mix with a slow-speed drill and a mixing paddle until a homogeneous consistency is obtained. Wait 5-10 minutes and mix again. The mortar prepared in this way is ready for use. Spread the ready adhesive mortar evenly on the surface with a notched trowel, the size of notches should be matched to the size of the tiles laid (e.g. for a 10x10 cm tile - 6 mm, 20x25 cm - 8 mm, 30x30 cm - 8 mm, 30x60 cm - 10 mm, 50x50 cm - 10 mm, 60x60 cm - 12 mm). Immediately after application, lay the tiles carefully and press them. Regularly remove the excess of adhesive flowing out in the joints. The temperature during adhesive application and drying should be between +5°C and +30°C. The adhesive should cover at least 80% of the tile surface. When laying ceramic tiles on terraces, balconies, underfloor heating or in the case of large format tiles, the adhesive should be applied to the surface and the tile; the adhesive should cover 100% of the tile surface. It is possible to adjust the tile position within 20 minutes.

technical data

Application and substrate temperature	from +5°C to +30°C
Drying time	24 hours
Water mixing ratio	6.5-8.25 l per 25 kg of adhesive
Shelf life	12 months in the original unopened packaging, in dry conditions, protect against moisture
Temperature resistance	from -25°C to +70°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption

Consumption per m^2	approx. 1 kg per mm of thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 12004:2012+A1
Declaration of Performance no. KŻ 6772
Data sheet no. KFL-48-2021

MITECH KE SUPER

FLEXIBLE C2TE ADHESIVE FOR CERAMIC TILES, CATEGORY C2TE S1

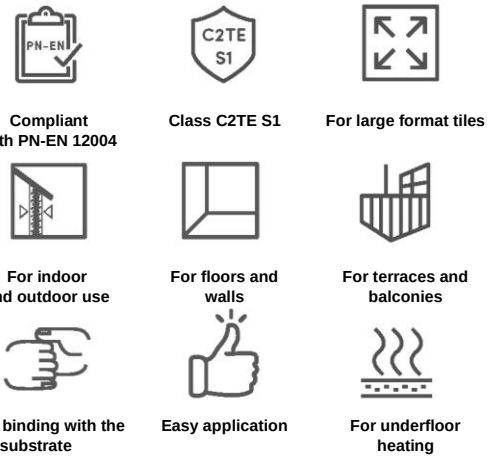
The MITECH KE SUPER flexible adhesive is designed for gluing ceramic, gres, glazed, terracotta, clinker and stone tiles and heavy tiles and large format tiles of maximum 70x70 cm on mineral substrates indoors and outdoors. Particularly recommended for gluing tiles at points exposed to difficult use conditions: floor heating, old glazed tiles, flaxboards.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrates, such as loosened plasters and paint coatings. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Prime absorbent surfaces with MITECH MG deep penetrating agent. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer. The recommended substrates for the MITECH KE SUPER adhesive are: cement plaster, cement-lime plaster, concrete, plasterboard, cement or anhydrite screeds, brick, ceramic or cellular block masonry and waterproofing.

PRODUCT PREPARATION AND APPLICATION

Pour 6.25-6.5 l of water into the container for the adhesive and add 25 kg of the adhesive. Mix with a slow-speed drill and a mixing paddle until a homogeneous consistency is obtained. Wait 5-10 minutes and mix again. The mortar prepared in this way is ready for use. The usable life of mortar is 1 hour. Spread the ready adhesive mortar on the surface with a notched trowel, the size of notches should be matched to the size of the tiles laid (e.g. for a 10x10 cm tile - 6 mm, 20x25 cm - 8 mm, 30x30 cm - 8 mm, 30x60 cm - 10 mm, 50x50 cm - 10 mm, 60x60 cm - 12 mm). Immediately after application, lay the tiles carefully and press them. The adhesive should cover minimum 80% of the tile surface (when gluing terrace tiles and large format tiles, the adhesive should cover 100% of the tile surface). When bonding ceramic tiles on terraces, balconies and underfloor heating, apply the adhesive on the substrate and the tile to bond. It is possible to adjust the tile position within 30 minutes. Grout the installed tiles at least 48 hours after drying.



technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Shelf life	12 months in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Consumption per m^2	approx. 1 kg per mm of thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 12004:2012
Declaration of Performance no. KES 6768
Data sheet no. KESUPER-46-2021

MITECH KE SUPER WHITE

FLEXIBLE ADHESIVE FOR CERAMIC TILES, CATEGORY C2TE S1

The MITECH KE SUPER WHITE flexible adhesive is designed for gluing ceramic, marble, gres, glazed, terracotta, clinker and stone tiles, heavy tiles and large format tiles on mineral substrates indoors and outdoors. Particularly recommended for gluing tiles at points exposed to difficult use conditions: floor heating, old glazed tiles, wood-like boards. It is perfect for terraces, balconies and surfaces with waterproofing. It leaves no discolouration on surfaces of natural stones, including marble. It may be used to install glass shapes (glass blocks), where it is also used as joint.

For bonding marble and stone

For underfloor heating

For indoor and outdoor use

For floors and walls

For terraces and balconies

For large format tiles

Compliant with PN-EN 12004

Class C2TE S1

Easy application

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrates, such as loosened plasters and paint coatings. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Prime absorbent surfaces with MITECH MG deep penetrating agent. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer. The recommended substrates for the MITECH KE SUPER WHITE adhesive are: cement plaster, cement-lime plaster, concrete, plasterboard, cement or anhydrite screeds, brick, ceramic or cellular block masonry and waterproofing.

PRODUCT PREPARATION AND APPLICATION

Pour 6.25-6.5 l of water into the container for the adhesive and add 25 kg of the adhesive. Mix with a slow-speed drill and a mixing paddle until a homogeneous consistency is obtained. Wait 5-10 minutes and mix again. The mortar prepared in this way is ready for use. The usable life of mortar is 1 hour. Spread the ready adhesive mortar on the surface with a notched trowel, the size of notches should be matched to the size of the tiles laid (e.g. for a 10x10 cm tile - 6 mm, 20x25 cm - 8 mm, 30x30 cm - 8 mm, 30x60 cm - 10 mm, 50x50 cm - 10 mm, 60x60 cm - 12 mm). Immediately after application, lay the tiles carefully and press them. The adhesive should cover minimum 80% of the tile surface (when gluing terrace tiles and large format tiles, the adhesive should cover 100% of the tile surface). When bonding ceramic tiles on terraces, balconies and underfloor heating, apply the adhesive on the substrate and the tile to bond. It is possible to adjust the tile position within 30 minutes.

technical data

Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Shelf life	12 months, in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	white
Washing tools	water
Packaging	25 kg, pallet 48 pcs. 1200 kg

consumption

Consumption per m^2	approx. 1 kg per mm of thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 12004:2012
Declaration of Performance no. KES 6770
Data sheet no. KESUPER-BIAŁY-47-2021

MITECH KE

FLEXIBLE ADHESIVE FOR CERAMIC TILES, CATEGORY C2TE

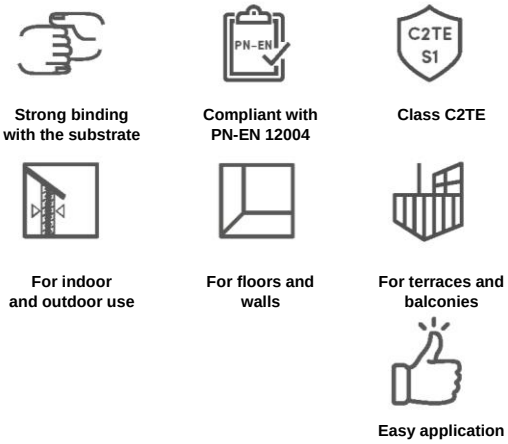
The MITECH KE flexible adhesive is designed for gluing ceramic, gres, glazed, terracotta, clinker and stone tiles for typical mineral substrates indoors and outdoors. It is particularly recommended for bonding tiles in places exposed to difficult use conditions, variable weather conditions, on balconies, terraces, large format tiles (maximum 70x70 cm).

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrates, such as loosened plasters and paint coatings. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Prime absorbent surfaces with MITECH MG deep penetrating agent. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer. The recommended substrates for the MITECH KE adhesive are: cement plaster, cement-lime plaster, concrete, plasterboard, cement or anhydrite screeds, brick, ceramic or cellular block masonry and waterproofing.

PRODUCT PREPARATION AND APPLICATION

Pour 6.25-6.5 l of water into the container for the adhesive and add 25 kg of the adhesive. Mix with a slow-speed drill and a mixing paddle until a homogeneous consistency is obtained. Wait 5-10 minutes and mix again. The mortar prepared in this way is ready for use. The usable life of mortar is 1 hour. Spread the ready adhesive mortar on the surface with a notched trowel, the size of notches should be matched to the size of the tiles laid, e.g. for a 10x10 cm tile - 6 mm, 20x25 cm - 8 mm, 30x30 cm - 8 mm, 30x60 cm - 10 mm, 50x50 cm - 10 mm, 60x60 cm - 12 mm. Immediately after application, lay the tiles carefully and press them. The adhesive should cover minimum 80% of the tile surface (when gluing terrace tiles and large format tiles, the adhesive should cover 100% of the tile surface). It is possible to adjust the tile position within 30 minutes.



Strong binding with the substrate

Compliant with PN-EN 12004

Class C2TE

For indoor and outdoor use

For floors and walls

For terraces and balconies

Easy application

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Shelf life	12 months in the original sealed packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Consumption per m^2	approx. 1 kg per mm of thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 12004:2012
Declaration of Performance no. KE 6769
Data sheet no. KE-45-2021

MITECH KP

ADHESIVE FOR CERAMIC TILES, CATEGORY C1T

The MITECH KP adhesive is designed for gluing ceramic, glazed, terracotta, clinker and stone tiles for typical mineral substrates indoors and outdoors.

Strong binding with the substrate

For walls

For indoor and outdoor use

Compliant with PN-EN 12004

Class C1T

Easy application

technical data

Application and substrate temperature	from +5°C to +25°C
Drying time	24 hours
Water mixing ratio	6.25-6.5 l per 25 kg of adhesive
Shelf life	12 months in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption

Consumption per m^2	approx. 1 kg per mm of thickness

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrates, such as loosened plasters and paint coatings. Level any substrate unevenness and losses of up to 5-15 mm with the MITECH ZW levelling mortar. Prime absorbent surfaces with MITECH MG deep penetrating agent. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer. The recommended substrates for the MITECH KP adhesive are: cement plaster, cement-lime plaster, concrete, plasterboard, cement or anhydrite screeds.

PRODUCT PREPARATION AND APPLICATION

Pour 6.25-6.5 l of water into the container for the adhesive and add 25 kg of the adhesive. Mix with a slow-speed drill and a mixing paddle until a homogeneous consistency is obtained. Wait 5-10 minutes and mix again. The mortar prepared in this way is ready for use. The usable life of mortar is 1 hour. Spread the ready adhesive mortar on the surface with a notched trowel, the size of notches should be matched to the size of the tiles laid (e.g. for a 10x10 cm tile - 6 mm, 20x25 cm - 8 mm, 30x30 cm - 8 mm). Immediately after application, lay the tiles carefully and press them. It is possible to adjust the tile position within 20 minutes.

REFERENCE DOCUMENTS:
European Standard PN-EN 12004:2012
Declaration of Performance no. KP 6566
Data sheet no. KP-44-2021

PRODUCTS FOR WATERPROOFING

MITECH HYDROIZOLACJA 1-K

ONE-COMPONENT WATERPROOFING COATING

Ready to use fluid film designed for surface seamless sealing of the points with high accumulation of moisture, with free-flowing water. It is suitable for making water-resistant coatings in bathrooms, showers, kitchens, toilets, laundry rooms before placing ceramic tiles. The product is designed for concrete floors, cement plasters, cement-lime plasters, plasterboards, cement screeds.

Ready-to-use

For bathrooms, kitchens, laundry rooms

Water stop

Easy application

For brush application

Covers small cracks

technical data

Application and substrate temperature	from +10°C to +30°C
Drying time	24 hours
Shelf life	12 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Colour	blue
Washing tools	water
Packaging	13 kg, pallet 39 pcs., 507 kg 5 kg, pallet 100 pcs., 500 kg

consumption

Consumption per m^2 for dripping water	approx. 0.9-1.5 kg per mm of thickness

SUBSTRATE PREPARATION

The substrate must be load-bearing, clear, dry and hard. Free of dust, grease, oil and free of biological and chemical aggression. The perfect substrate is concrete, lean concrete (cellular concrete), cement underlayment, cement screeds, cement mortars, cement plasters, fired brick masonry, Cetris boards and plasterboards. First prime the substrates with the MITECH MG deep-penetrating primer to reduce their absorbability. Remove any algae and fungi using MITECH GLOMIX. Remove loosened plasters and weathered concrete mechanically. Level the losses with the MITECH ZW levelling mortar, round the corners by the floor (make the cove). If the substrate requires reinforcement, immerse the fibreglass mesh in MITECH KO adhesive mortar. If it is necessary to reduce the absorbability of the substrate, it is recommended to use the MITECH MG primer. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Do not add other components. Directly before use, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. Apply the sealing coats in at least two layer. First, seal the expansion joints, corners, pipe culverts, floor drains with self-adhesive butyl tape, expansion joint tape, corners or sealing cuffs and integrating their edges into the compound. Spread the fluid film on the entire surface with a hard brush or masonry brush, intensively rubbing it into the substrate. Apply the second coat after letting the first coat bind, that is after approx. 6 hours. Reinforce the areas exposed to high loads by merging the fibreglass mesh into the fluid film. When binding the ceramic cladding, be careful not to damage the waterproofing coating. It is recommended to bind ceramic claddings after letting the final coat dry, that is after min. 24 hours. The final coat must have the thickness of approx. 1 mm. For binding tiles, use MITECH KE FLEX, MITECH KE, MITECH KE SUPER or MITECH KE SUPER WHITE flexible adhesives.

REFERENCE DOCUMENTS:
European Standard PN-EN 14891:2012
Declaration of Performance no. ZP 0365
Data sheet no. H1K-53-2021

MITECH
HYDROIZOLACJA 2-K

TWO-COMPONENT WATERPROOFING MORTAR

The two-component permanently flexible waterproofing based on water dispersion of copolymers and mixture of modified additions with cement. After hardening, it creates a waterproofing membrane. It is suitable for the insulation of facilities with low Radon coefficient. The waterproofing coating is used as insulation for building foundations, ceramic claddings and tiles. As waterproofing of swimming pools, balconies, terraces and loggia, water bodies as insulation of cellars and retaining walls. It may be used indoors, as well as on floor heating.

SUBSTRATE PREPARATION

The substrate must be load-bearing, clear, dry and hard. Free of dust, grease, oil and free of biological and chemical aggression. The perfect substrate is concrete, lean concrete (cellular concrete), cement underlayment, cement mortars, cement plasters, fired brick masonry, Cetris boards and plasterboards. First prime the substrates with the MITECH MG deep-penetrating primer to reduce their absorbability. Remove any algae and fungi using MITECH GLOMIX. Remove loosened plasters and weathered concrete mechanically. Level the losses with the MITECH ZW levelling mortar, round the corners by the floor (make the cove).

PRODUCT PREPARATION AND APPLICATION

The MITECH HYDROIZOLACJA 2-K sealing compound is offered in buckets, which contain 2 components: dry component B, divided into 3 bags, and liquid component A in canister. To prepare the mixture, gradually add the dry component B to the liquid component A, while adding up to maximum 5% water. Mix using a drill, at low speed of approx. 250 RPM, until the mixture is perfectly homogeneous. When mixing with the drill, set the compound aside for approx. 10 minutes and then mix with a trowel from the bottom or another tool to release the bubbles, de-aerate. On the prepared substrate, apply at least two coats of waterproofing with a brush or roller. Apply the layers using the cross method: first coat from left to right, second coat from top to bottom (or vice versa). Secure the corners and angles with butyl expansion joint tape, which is self-adhesive. The substrate layer must be adequately hardened after approx. 12 hours for masonry and 24 hours for ceramic claddings and tiles.

For terraces and balconies

For bathrooms, kitchens, laundry rooms

Water stop

Vapour-permeable

For brush application

Radon protection

technical data	
Application and substrate temperature	from +10°C to +30°C
Drying time	24 hours
Shelf life	12 months in the original unopened packaging, in dry conditions, protect against moisture and frost
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	21 kg, pallet 24 pcs., 504 kg

consumption	
Consumption per m^2 - for dripping water - 3 to 4 layers for pressurised water	approx. 1.5 kg per mm of thickness approx. 2-3 kg per mm of thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 14891:2012
Declaration of Performance no. ZU 0366
Data sheet no. H2K-52-2021

mitech
PROFESSIONAL

MITECH WATERPROOFING SYSTEMS

select proven solutions

CONSTRUCTION MORTARS

MITECH ZM

MASONRY MORTAR, CLASS M20

Used for masonry walls, walls of bricks, ceramic and silicate blocks, concrete blocks and other similar ceramic, concrete or lime-sand materials. It is suitable for masonry load-bearing walls, partition walls, ceiling and foundation walls in the overground part.

SUBSTRATE PREPARATION

Hollow blocks, bricks, blocks should be strong, clean and not dusted.

PRODUCT PREPARATION AND APPLICATION

Add the 25 kg packaging content to the container with a measured water quantity of 4.2-4.6 l. When mixing the mortar in concrete mixer for approx. 2-5 minutes. In case of manual mixing, thoroughly mix the whole content of the packaging with a low-speed drill with basket mixer, until a uniform consistency is obtained. The mortar prepared in this way is ready for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 4 hours. The amount of added water must be selected considering the substrate type, weather conditions and mortar consistency. Perform masonry works in accordance with the masonry work technology, using cement mortars. Apply the mortar with a trowel, on earlier layers of the masonry wall. Lay the bricks to a solid joint.

For indoor and outdoor use

Easy application

For bricks and hollow blocks

Compliant with PN-EN 988-2

High compressive strength

technical data	
Application and substrate temperature	from +5°C to +25°C
Water mixing ratio	4.2-4.6 l per 25 kg of mortar
Shelf life	9 months in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Consumption	approx. 16 kg/m^2 with 1 cm joint thickness

REFERENCE DOCUMENTS:
European Standard PN-EN 998-2004
Declaration of Performance no. ZM 0136
Data sheet no. ZM-55-2021

MITECH ZT

PLASTER MORTAR FOR MANUAL APPLICATION

Designed for making traditional indoor and outdoor cement-lime plasters, in categories 0-III. On substrates of bricks, blocks, hollow blocks, concrete and other similar ceramic or silicate materials. The composition of components guarantees good workability, ease and comfort of use, and perfect adhesion to different construction substrates after binding.

SUBSTRATE PREPARATION

The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles. Reinforce the contact edges of chip-cement boards before plastering with strips of stainless metal mesh. Secure the corners and edges at window and door openings by seating zinc-coated steel profiles. If it is necessary to reduce the absorbability of the substrate, it is recommended to use the MITECH MG primer. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer.

PRODUCT PREPARATION AND APPLICATION

Add the content of the packaging into the container with a measured water quantity of 4.0-4.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. After 5 minutes and mixing again, the mortar is for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 4 hours. Rendering the plaster. Complete the plaster in two coats. To help obtain even plaster surfaces, plaster guide strips are used. They are attached mechanically or by merging into the mortar (mesh strips). The first stage of plastering is the so-called rendering. After its binding (but still before hardening), perform the surface rendering. In both stages, the plaster is evenly cast with a trowel. Collect the excess mortar with styrofoam or wooden trowel and return it into the container. Fresh plaster may be evened with a long staff, using guide strips. Trowelling the plaster Determine the moment to start the trowelling experimentally, so as to avoid excessive drying of the plaster surface. In general, start the trowelling after applying an additional thin layer of mortar, corresponding to the aggregate thickness. Perform finish works in accordance with the plastering works technology, using suitable tools to obtain the finish effect and use of the plaster. If the plaster is intended as the substrate for ceramic claddings, do not trowel it at all or trowel it rough. If the plaster is to be covered with gypsum coating, trowel it with styrofoam trowel. When drying, ensure good ventilation of the rooms. Secure exterior plasters from excessively quick drying, e.g. by spraying it with water.

For indoor and outdoor use

Easy application

For walls and ceilings

Compliant with PN-EN 988-1

technical data	
Application and substrate temperature	from +5°C to +25°C
Water mixing ratio	4.0-4.5 l per 25 kg of mortar
Shelf life	9 months in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption	
Consumption	approx. 15 kg/m^2 with the thickness of 1 cm

REFERENCE DOCUMENTS:
European Standard PN-EN 998-1
Declaration of Performance no. ZT 0135
Data sheet no. ZT-56-2021

MITECH ZW

LEVELLING MORTAR

The levelling mortar is designed for preparing the substrates before binding ceramic tiles on walls and floors, for levelling floors before casting cement or anhydrite primers. It is also used for patching losses in substrates before binding styrofoam boards and applying structural plasters on mineral substrates. It enables patching losses in substrates from 5 to 15 mm. It may be used both indoors and outdoors.

Strong binding with the substrate

Easy application

technical data

Application and substrate temperature	from +5°C to +25°C
Water mixing ratio	6.2-6.5 l per 25 kg of mortar
Shelf life	9 months in the original unopened packaging, in dry conditions, protect against moisture
Storage temperature	from +5°C to +25°C
Colour	grey
Washing tools	water
Packaging	25 kg, pallet 48 pcs., 1200 kg

consumption

Consumption	approx. 15 kg/m^2 with the thickness of 1 cm

SUBSTRATE PREPARATION

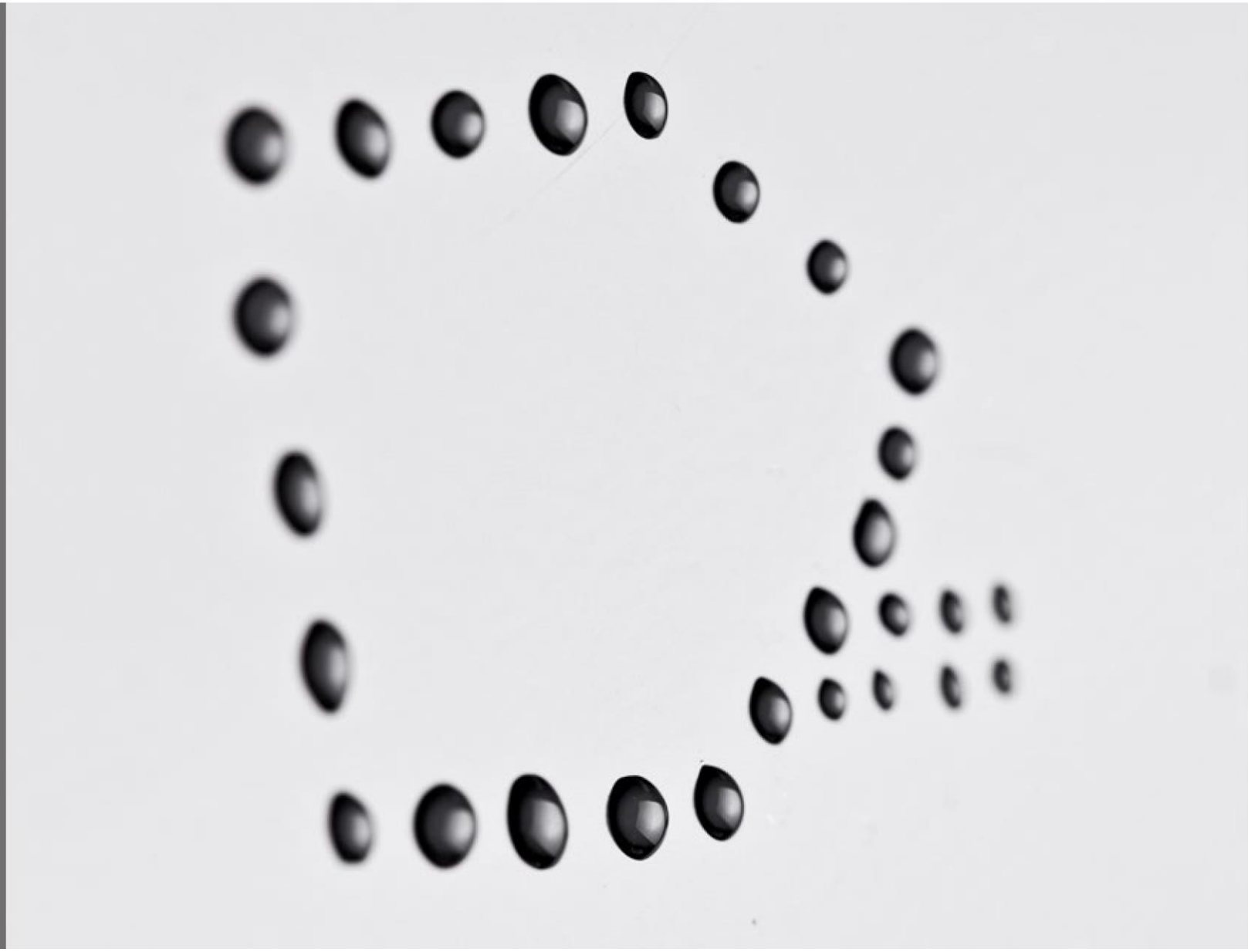
The substrate should be load-bearing, even, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Remove low-adhesion substrate layers, e.g. weak plasters, loose paint coatings, non-bonded wall particles. If it is necessary to reduce the absorbability of the substrate, it is recommended to use the MITECH MG primer. Prime low-adhesion and low-absorbency substrates with the MITECH BETONGRUNT bonding primer.

PRODUCT PREPARATION AND APPLICATION

Add the content of the 25 kg packaging into the container with a measured water quantity of 6.2-6.5 l and thoroughly mix with a low-speed drill with basket mixer, until a uniform consistency is obtained. Wait 5 minutes and mix again. The mortar prepared in this way is ready for use. Depending on the air temperature and humidity, thus ready mortar is ready for use for approx. 4 hours. The amount of added water must be selected considering the substrate type, weather conditions and mortar consistency. When mixing the mortar in concrete mixer, mix with a suitable water quantity for approx. 2-5 minutes. Apply the mortar with a trowel on a priorly prepared substrate, up to 15 mm in one coat. After application, even with a trowel.

REFERENCE DOCUMENTS:
European Standard PN-EN 998-2
Declaration of Performance no. ZW 0134
Data sheet no. ZW-59-2021

SUPPLEMENTS PRODUCTS



MITECH CONCRETE+

DISPERSION PAINT FOR CONCRETE

It is used for painting concrete elements. It is perfectly suitable for painting vibrated concrete, concrete structures, fibre-cement boards, cement plasters, garden fencing, concrete precasts, concrete acoustic screens. On the substrate to paint, it creates a coloured coating with medium gloss, high resistance to weather conditions and increased abrasion resistance. It protects against the absorption of moisture, reduces atmosphere gas penetration, protects concrete against erosion. It may be used on horizontal surfaces with high intensity of precipitation.

Strong binding with the substrate

Easy application

technical data	
Application and substrate temperature	+5°C to +25°C
Drying time	24 hours
Bulk density	approx. 1.30 kg/dm^3 ±5%
Gloss degree	medium gloss (semi-gloss)
Storage temperature	+5°C to +25°C
Colours	selected RAL colours
Washing tools	water
Package	10 l, pallet 44 pcs., 440 l 5 l, pallet 72 pcs, 360 l

consumption	
Consumption: - Smooth surface - Textured surface	 0.15-0.2 l/m^2 0.2-0.4 l/m^2

SUBSTRATE PREPARATION

The substrate should be even, load-bearing, dry, clear of any anti-adhesive coatings, such as dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Fresh concrete substrates, cement plasters may be painted after minimum 28 days of seasoning. Pre-painting concrete, cement plasters may be completed after priming the substrate with Mitech FOX equalising primer (see product data sheet), the concrete moisture must not exceed 3%. Repair losses in the concrete with Mitech E 45 TIXO repair cement mortar. Patch the concrete unevenness with Mitech E41 polymer-cement patching plaster in grey or white colour. Absorbing surfaces should be primed with Mitech MG primer. Eliminate biological contamination using the Mitech GLOMIX product, disinfect and leave for minimum 12 hours, flush with pressurised water (with dispersed jet). In case of strong mould, repeat the step. Mechanically remove low-adhesion substrates, such as loosened plasters and paint coatings. If the surface is coated with glue or lime paints, they should be carefully removed until the firm substrate is exposed. Before painting pre-painted substrates, always perform an adhesion test.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Immediately before use, the entire content should be thoroughly mixed with a slow-speed mixer/drill with a stirring rod basket until a homogeneous consistency is obtained - the paint should not be aerated during the mixing. If needed, dilute with water: - max. 10% by volume for the first coat, - max. 5% by volume for the second coat. Apply two coats of the paint on a properly prepared substrate with a roller or brush. After application of the first layer, wait until it is dry (approximately 4 hours under the optimum conditions of the relative air humidity of 60% and temperature of +20°C). The next coat of paint should be applied only after the previous coat is completely dry.

REFERENCE DOCUMENTS:
Standard PN-EN 1062:2008
Declaration of Performance no. CON 8151
Data sheet no. CON-102-2023

MITECH SPORTLINE+

PAINT FOR PAINTING LINES ON PLAYING FIELDS

Eco-friendly, highly concentrated paint for marking lines on football pitches and tennis courts. For application on natural, artificial and hybrid grass and ground brick. The paint is eco-friendly, it does not prevent grass growth and it is hypoallergenic for athletes.

SUBSTRATE PREPARATION

The grass to paint should be dry, mowed.

PRODUCT PREPARATION AND APPLICATION

The packaging contains concentrated paint, designed to be diluted. Before use, mix it thoroughly by shaking the cannister. For first grass marking, dilute the paint with water in 1:3 ratio (1 litre of paint: 3 litres of water). For subsequent grass marking, dilute the paint with water in 1:5 ratio (1 litre of paint: 5 litres of water). Dilute before pouring into the machine. Apply the paint using a roller trolley or sprayer. After marking, wash the device with water, do not let the paint try in the tank. The coating is hardened approx. 3 hours after the application of the last coat.

Super white

Hypoallergenic

Eco-friendly

Concentrate

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time	3 hours
Shelf life	24 months, work at the temperature of +5°C to +25°C, protect against frost and overheating.
Relative humidity when applying and drying:	60-85%
Water dilution ratio:	first marking 1:3, subsequent marking 1:5
Storage temperature	from +5°C to +25°C
Colour	super white
Washing tools	water
Packaging	cannister 15 kg, pallet 60 pcs., 900 kg

consumption	
Consumption	5-10 g per linear meter of the line with the width of 10 cm. The 15 kg packaging lasts for approx. 5 marking cycles.

REFERENCE DOCUMENTS:
Declaration of Performance no. SL 0250
Data sheet no. SL-105-2021

MITECH GLOMIX

ALGAE AND FUNGI REMOVER

The product is designed to eliminate microbiological contamination on exterior surfaces of building walls. It has a wide spectrum of action against a majority of algae, fungi and lichens in the construction industry. It may be used to clean surfaces made of stone, bricks, cement plasters, cement-lime plasters, acrylic plasters, silicone plasters and mineral plasters.

SUBSTRATE PREPARATION

Mechanically pre-clean the surface to clean from all deposits.

PRODUCT PREPARATION AND APPLICATION

The packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging. Apply the product on the wall surface with a brush or spray. After the application of the product, wait minimum 12 hours. After the waiting period, wash the surface to clean with a pressure washer, using a dispersed water jet, and let it dry. For strongly contaminated substrates, repeat this step.

Easy application **For brush application** **For spray**

technical data	
Application and substrate temperature	from +5°C to +25°C
Biological contamination removal time	minimum 12 hours
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l, atomiser 0.75 l, carton 12 pcs., 9 l

consumption	
Consumption	0.1-0.15 l/m^2, the consumption depends on the absorbability of the surface to clean

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. GLOMIX-80-2021

MITECH PME

FAÇADE CLEANING FLUID

The façade cleaning fluid is designed for cleaning the soiling from the surface of thin-layer plasters used in ETICS thermal insulation systems for buildings. It removes dusts, greasy stains, sooth and other organic soiling. It is used for periodical care for thermal insulation systems and cleaning substrates before renovation works. The fluid may be also used on all construction substrates, that is thin-layer plasters, mineral substrates, substrates covered with high-adhesion exterior paint coating, roofing tiles, zinc-coated sheet metal, plastic and wood.

SUBSTRATE PREPARATION

Before application of the fluid, sprinkle absorbent substrates with water. First clear the places of algae and fungi occurrence using MITECH GLOMIX. Secure the surfaces vulnerable to alkalis.

PRODUCT PREPARATION AND APPLICATION

Depending on the soiling intensity, it is recommended to dilute the product with water in 1:2 to 1:10 ratio. Strongly soiled surfaces may be cleaned with non-diluted liquid. Before application of the fluid, sprinkle absorbent substrates with water. Apply the fluid on the soiled surface with a brush or spray After the application, let the product work for approx. 10-15 minutes. In case of strong soiling, help the process using a soft brush. Wash the entire surface using a pressure washer, with dispersed water jet. If the result of one-time cleaning is unsatisfactory, the process may be repeated. Let the cleaned surface dry. After drying, further renovation works may be performed. If the fluid is applied with a pressure washer with foam container, adjust the dispensing in accordance with the user manual for the device. However, do not exceed the recommended maximum dilution dose.

Easy application | **For brush application** | **For spray**

technical data	
Application and substrate temperature	from +5°C to +25°C
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l atomiser 0.75 l, carton 12 pcs. 9 l

consumption	
The consumption depends on the soiling and absorbability of the substrate.	average consumption: 0.05-0.1 kg/m^2

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. PME-83-2021

MITECH PDC

PAINTS AND PLASTERS CLEANING AGENT

Designed to clean the soiling after paints and acrylic, silicone and silicate plasters from the surface of ceramic and clinker tiles, plastics, zinc-coated and other coated sheet metal, glass and painted wood.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, slightly shake the packaging to mix its content. Spray the soiling area with the product from the distance of approx. 15-20 cm. Leave for approx. 10-15 minutes for the product to start working. After that time, clean the soiling using a hard brush or pressure washer. If necessary, repeat this step or extend the product activity time. After cleaning, wash the cleaned surface with clean water. Use the product at the temperature of +5°C to +25°C. During the work, use personal protective equipment: goggles, protective gloves. To determine the usability of the product, it is recommended to perform a “cleaning” in a concealed area.

technical data	
Application and substrate temperature	from +5°C to +25°C
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	atomiser 0.75, carton 12 pcs., 9 l

consumption	
Consumption	depends on the soiling degree.

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. PDC-84-2021

MITECH EZP

ADHESION INCREASING EMULSION

The admixture is a water dispersion of specially selected copolymers based on butadiene and styrenes. It is used for repair, levelling, masonry, plaster, adhesive mortars, for modifications of concrete and other compounds based on cement - in order to increase the adhesion to the substrate, increase plasticity and improve strength parameters. The admixture, by chemical bonding of copolymer with the substrate, strongly (2 to 3 times) increases the adhesion of hardened mortar or concrete to the substrate. In addition, the admixture enables reducing the quantity of mixing water in the concrete or mortar mixture (while maintaining the same consistency), which significantly increases the final strength, water-tightness and frost-resistance, while reducing the risk of shrink cracks and scratches. Due to the application of the admixture, mortar quality is significantly higher after mixing. Fresh mortar becomes more plastic and thixotropic, which facilitates the application. After hardening, the concrete is characterised by increased compression and bending strength. It also increases the abrasion resistance of concrete more than 2 times. After using the admixture, the plaster, mortar or concrete becomes more resistant to salt, frost, oils and petrols. The emulsion is particularly recommended for making plaster rendering for renovation plasters, usually made on difficult substrates, bonding layers in concrete renovation, water-tight filling, ceramic cladding on difficult substrates, thin-layer patching, trowelled concrete floors, polymer-cement waterproofing coatings, reinforced mortars for grouting boards, tiles and bricks etc. It is suitable for indoor and outdoor use.

technical data	
Application and substrate temperature	from +5°C to +25°C
Shelf life	12 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	10 kg, pallet 60 pcs., 600 kg 6 kg, pallet 128 pcs., 768 kg

PRODUCT PREPARATION AND APPLICATION

Add the admixture to mixing water (still before adding the aggregate, cement or mortar). CAUTION! Lay plasters, mortars or concrete in one or more coats, but always using the wet on wet method. Follow the principle that the higher the admixture dilution, the greater the layer thickness and the thicker the aggregate grain in the mixture. The admixture should be diluted as follows:

1. For the bonding layer used for concrete repairs (e.g. cement mortar 1:3) aggregate 0 - 1 mm mixed with cement in 1:1 ratio. Bonding layer thickness up to 3 mm. Dilution emulsion: water = 1:1 Admixture consumption approx. 0.3 kg/m^2.
2. Bonding tiles to difficult substrates using the MITECH KE adhesive. Mix the dry adhesive mortar with emulsion diluted with water in 1:1 ratio. Admixture consumption approx. 0.5-0.8 kg/m^2
3. Bonding layer for concrete or reinforced concrete repairs using MITECH ZW. Bonding layer thickness up to 3 mm. Dilution emulsion: water = 1:2. Admixture consumption approx. 0.15 kg/m^2.
4. Bonding layer for concrete or reinforced concrete renovation using repair mortars. Bonding layer thickness up to 3 mm. Dilution emulsion: water = 1:2. Admixture consumption approx. 0.15 kg/m^2.
5. Renovation with plaster rendering, 0-1 mm aggregate mixed with cement in 1:1 ratio. Layer thickness 5-7 mm. Dilution emulsion: water = 1:2. Admixture consumption for renovation plasters: approx. 0.2 kg/m^2 with rendering covering maximum 50% of the surface or approx. 0.4 kg/m^2 with rendering covering 100% of the surface.
6. Filling with concrete or waterproof mortar, 0-1 mm aggregate mixed with cement in 3:1 ratio. Filling thickness from 3 mm. Dilution emulsion: water = 1:4. Admixture consumption approx. 0.2 kg/kg of cement.

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. EZP-68-2021

MITECH SPW

PLASTER AND PAINT BONDING ACCELERATOR

The MITECH SPW product is a ready addition that accelerates the binding and drying process of acrylic, silicone and siloxane plasters by MITECH. It is recommended for use during façade works at lowered temperatures from +1°C do +10°C and increased air humidity up to approx. 80%. The effect of the product consists in rapid water evaporation from the applied material and significant shortening of the first stage of the drying process of dispersion products. Then, the second stage, consisting in the bonding of the binding agent, may start significantly earlier, while the applied material obtains resistance to sudden cooling and precipitation quicker (as soon as after approx. 5-6 hours). The product effect rate depends on air temperature and humidity. The product is applied to the plaster packaging, directly before application on the façade. The application of the product does not decrease the strength or useful properties of the plaster coating. It may also be used for exterior paints and primers for plasters and paints.

technical data	
Application and substrate temperature	from +1°C to +10°C
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	0.25 l, carton 20 pcs.

consumption	
Consumption	plasters - 250 ml per 25 kg primers - 125 ml per 20 kg paints - 250 ml per 10 l

SUBSTRATE PREPARATION

The substrate cannot be frozen and must meet the requirements of proper preparation of the substrate for thin-layer plaster.

PRODUCT PREPARATION AND APPLICATION

MITECH SPW is a ready-to-use product. Add the product to the packaging, while thoroughly mixing with basket mixer, until a uniform consistency is obtained. Add the product directly before use:

1. To plaster, 250 ml (whole bottle) of the product per 25 kg (packaging);
2. To exterior paint, 250 ml (whole bottle) of the product per 10 l (packaging);
3. To primer, 125 ml (½ bottle) of the product per 20 kg (packaging).

Use the product up to the maximum temperature of +10°C.

REFERENCE DOCUMENTS:

The product is not classified as construction product.
Data sheet no. SPW-81-2021

MITECH SPW KLEJ

ADHESIVE MORTAR BONDING ACCELERATOR

MITECH SPW KLEJ is a ready addition that accelerates the bonding process in the adhesive mortar. Recommended for use during thermal insulation works at lowered temperatures from +5°C do +10°C and increased air humidity up to approx. 80%. After 8 hours of application of the adhesive mortar, the temperature may drop to -5°C. The operation of the product consists in acceleration of the bonding of adhesive mortars and significant shortening of the drying process. The product effect rate depends on air temperature and humidity. The product is not frost-resistant.

PRODUCT PREPARATION AND APPLICATION

MITECH SPW KLEJ is a ready-to-use product. Before use, mix the product very thoroughly by shaking the packaging. Pour the product to mixing water. The approximate dose is 0.5 kg of the MITECH SPW KLEJ product per approx. 6 litres of water per 25 kg packaging of MITECH KS, MITECH KS-W, MITECH KO, MITECH KO-W, MITECH KOB adhesives. After adding the adhesive to the product and mixing water solution, thoroughly mix the low-speed drill with basket mixer, until a uniform consistency is obtained. After 5-10 minutes and mixing again, the mortar is ready to use. Thus prepared mortar should be consumed within up to 1 hour. The recommended working temperature is from +5°C to 10°C, relative air humidity approx. 80%. The temperature may drop to -5°C after 8 hour of application. The newly completed layers of adhesive mortar must be protected against precipitation and temperatures below -5°C until bonding, minimum 24 hours. During thermal insulation works, it is recommended to protect the scaffoldings with protective netting to minimise the adverse impact of outdoor conditions. Do not complete the reinforcement layer during the rain and on surfaces exposed to direct and intensive sun and wind impact. The process of application should be properly adjusted to the surface intended for completion at one go, taking into account the number of painters, their skills, equipment, the existing condition of the substrate and the prevailing weather conditions. Do not use with adhesives intended for gluing ceramic tiles and with construction mortars. Using the product with other adhesive mortars, by other manufacturers, requires testing.

technical data	
Application and substrate temperature	from +5°C to +0°C
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l

consumption	
Consumption	0.5 kg per 25 kg

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. SPWK-82-2021

MITECH KAMIEŃ

IMPREGNATING AGENT FOR STONE

Designed for water-proof impregnation of natural stone, granite, gres, clinker tiles and bricks. The product makes the protected surface hydrophobic, with water beading effect, while improving the gloss and emphasising the colours of the surface. The product protects the surface from the harmful impact of weather conditions. After drying, the impregnating agent has vapour-permeable properties.

Easy application

Vapour-permeable

For spray

Hydrophobic

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time of one coat	2 hours
Shelf life	24 months protection against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l

consumption	
Consumption	0.1-0.2 l/m^2, the consumption depends on the absorbability of the surface to impregnate

SUBSTRATE PREPARATION

The substrate should be load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Clean the surface to impregnate using a pressure washer with addition of the MITECH PME façade cleaning fluid and let it dry.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging. It is not recommended to add other components. Apply the product on the surface with a brush or spray. It is recommend to apply 2 coats, using the wet on wet method. Apply the product thoroughly and evenly on the entire surface to impregnate.

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. KAM-77-2021

MITECH BRUK

IMPREGNATING AGENT FOR COBBLESTONE

Designed for water-proof impregnation of cobblestone. It creates a strongly hydrophobic coating to protect cobblestone against the harmful impact of moisture by reducing its absorbability, soiling and frost-resistance. In addition, it creates an oil-proof coating. It is suitable for concrete, granite, basalt block pavers, it may also be used on concrete elements of garden architecture.

SUBSTRATE PREPARATION

The substrate should be load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Clean the surface to impregnate using a pressure washer with addition of the MITECH PME façade cleaning fluid and let it dry.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging. It is not recommended to add other components. Apply the product on the surface with a brush or spray. It is recommend to apply 2 coats, using the wet on wet method. Apply the product thoroughly and evenly on the entire surface to impregnate.

Easy application

Vapour-permeable

For spray

Hydrophobic

Oil-proof

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time of one coat	2 hours
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l

consumption	
Consumption	0.1-0.2 l/m^2, the consumption depends on the absorbability of the surface to impregnate

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. BRUK-78-2021

MITECH BETON

IMPREGNATING AGENT FOR CONCRETE

Designed for water-proof impregnation of concrete. The product protects against the harmful impact of moisture by creating a hydro-phobic coating. By penetrating deep into the substrate, it increases the service life of the protected surface.

Easy application **Hydrophobic** **For spray**

Deep-penetrating

SUBSTRATE PREPARATION

The substrate should be load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. Clean the surface to impregnate using a pressure washer with addition of the MITECH PME façade cleaning fluid and let it dry.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging. It is not recommended to add other components. Apply the product on the surface with a brush or spray. It is recommend to apply 2 coats, using the wet on wet method. Apply the product thoroughly and evenly on the entire surface to impregnate.

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time of one coat	2 hours
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l

consumption	
Consumption	0.1-0.2 l/m^2, the consumption depends on the absorbability of the surface to impregnate

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. BET-76-2021

MITECH MOZAIKA

IMPREGNATING AGENT FOR MOSAIC PLASTERS

Designed for water-proof impregnation of mosaic plasters. The impregnating agent protects against the harmful impact of moisture. It is particularly recommended for impregnating mosaic plaster in areas exposed to increased moisture. In addition, the product may be used to protect exterior stone claddings of sandstone, marble, terrazzo and walls made of brick, concrete.

SUBSTRATE PREPARATION

The substrate should be load-bearing, dry, clear of any anti-adhesive coatings, such as: dirt, dust, greasy soiling and bitumen, and free of biological and chemical aggression. Remove any algae and fungi using MITECH GLOMIX. The mosaic plaster to protect should be properly dried. Impregnate after minimum 48 hours of application and drying under optimum weather conditions.

PRODUCT PREPARATION AND APPLICATION

Packaging contains a ready-to-use product. Directly before use, thoroughly mix the whole content of the packaging. Apply the product on the surface with a brush or roller. Apply two coats. Apply the second coat after letting the first coat dry completely, that is approx. 8 hours at the temperature of 20°C and humidity of 60%, drying under optimum heat and humidity conditions. In case of brush and roller application, avoid abrupt moves of the tool, which cause aeration (bubbling) of the coating and may cause a white deposit after drying. For the same reason, level the dripping excess material with a brush before drying!

Easy application

Hydrophobic

For brush application

For roller application

technical data	
Application and substrate temperature	from +5°C to +25°C
Drying time of one coat	6-8 hours
Shelf life	24 months protect against freezing and overheating
Storage temperature	from +5°C to +25°C
Washing tools	water
Packaging	5 l, pallet 108 pcs., 540 l

consumption	
Consumption	0.1-0.2 l/m^2, the consumption depends on the absorbability of the surface to impregnate

REFERENCE DOCUMENTS:
The product is not classified as construction product.
Data sheet no. MOZ-79-2021

NOTES

PRODUCT CATALOGUE

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