



### Intended use

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.

### 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.

### Method of use

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.

### Application recommendations

The substrate should be even and carefully prepared. On new mineral substrates, that is cement plasters and concrete, preparatory works may begin after minimum 28 days. Prior to the commencement of works, all elements within the scope of the works and not intended for painting should be properly masked and secured. The priming can only be performed on a dried surface, after the binding and hardening period applicable to the given substrate. After priming the substrate, wait for the applied primer to dry, for 4-24 h if dried under optimum conditions. Only afterwards, proceed with paint application. The dispersion paint is a ready-to-use product and it is not allowed to add more water than specified in the paint preparation instructions. Adding too much water may change the binding properties, colour and hiding power of the paint. The assumed optimum drying conditions are 60% relative air humidity and +20°C air temperature. The process of preparing, applying and drying the coating should take place at the air temperature of +5°C to +25°C and stable air humidity. The substrate temperature should be between +5°C and +25°C. A low temperature, increased humidity or a rough substrate structure prolongs the drying time of the paint. Protect newly completed painting from weather conditions, low and high temperatures below +5°C and above 25°C until binding, for minimum 24 hours. The pre-drying time for dispersion paint is 24 hours. Full hardening 72 hours after the application of the last coat. The process of application should be properly adjusted to the surface intended for painting, taking into account the number of painters, their skills, equipment, the existing condition of the substrate and the prevailing weather conditions. If technological breaks are required during the painting, pre-plan the invisible places for completion (e.g. in corners, at the interface of colours, behind the trough etc.). Painting works must be performed on surfaces not exposed to direct impact of the sun, wind and rain. It is recommended to protect the scaffoldings with protective netting to minimise the adverse impact of outdoor conditions. The dispersion paint is manufactured with natural components. In order to obtain optimal aesthetic values, a surface of the façade that constitutes a separate area should be painted in one go with the paint from the same production batch. The production date is also the batch marking. To reduce colour differences, it is recommended to order the paint for the entire structure, which may be delivered in batches. In order to avoid the formation of visible joints, the painting should be performed without breaks (the "wet on wet" method), with stable weather conditions. In the autumn-winter and winter-spring periods, it is recommended to use the MITECH SPW paint bonding accelerator (see the product data sheet). After finishing the painting works, the opened paint package should be carefully closed and its contents used as soon as possible. After completing the work, wash the tools and hands with running water. Bear in mind that the washing will be more difficult when the paint has dried. Wipe the surface of recently soiled elements with a damp cloth. Wash the soiled areas using the MITECH PDC cleaning agent for soiling.

### Technical data

application temperature	+5°C to +25°C
substrate temperature	+5°C to +2°C

relative humidity during paint application and drying	60-85%
drying time	24 hours
pH	around 8
bulk density	approx. 1.30 kg/dm <sup>3</sup> ±5%
gloss degree	medium gloss (semi-gloss)
coating thickness	E2 > 50 ≤ 100 μm
grain size	S1 Fine < 100 μm
water vapour permeation rate	V2 Medium ≥ 0.14 < 1.4 m
water permeation	W3 Low ≤ 0.1 kg/(m <sup>2</sup> h0.5)
scratch coverage	A1 > 100 μm
carbon dioxide permeability	C0 No requirements
consumption	smooth surface 0.15-0.2 l/m <sup>2</sup> , textured surface 0.2-0.4 l/m <sup>2</sup>
shelf life	24 months, protect against freezing and overheating
storage temperature	+5°C to +25°C
colours	selected RAL colours
priming	MITECH MG deep-penetrating primer alkaline substrates MITECH FOX equalising primer
tools required	low-speed mixer with stirring rod basket, paint roller, brush
washing tools	water
removing dirt	MITECH PDC paints and plasters cleaning agent
packaging	10 l, pallet 44 pcs., 440 l 2.5 l, pallet 92 pcs., 230 l
legal requirements	PN-EN 1062:2008 Declaration of Performance no. CON 8151
precautions	see the data sheet

### Additional information

The information in the technical data sheet is based on the manufacturer's many years of experience. However, the company has no influence on the transport and storage conditions once the product leaves the factory, and the conditions and method of using the product. Therefore, the information in the product technical data sheet cannot be a legal basis for warranty claims if the product is used contrary to its intended use. The manufacturer has the right to supplement or change the data without prior notice.