

ETERNAL® mat akrylátový

Serial Number 9401

acrylate dispersion paint for construction and protective roof coating

Features:

ETERNAL mat akrylátový (ETERNAL acrylic matte) is a water-soluble coating for outdoor and indoor use, prepared from the aqueous dispersion of acrylic copolymers, pigments, fillers and special additives. **ETERNAL mat akrylátový** forms satin matte paintings, highly resistant to weathering.

Usage:

ETERNAL mat akrylátový is mainly designed for new and maintenance painting of galvanized sheet metal (even without previous oxidation), primed steel, aluminum (adhesion must be verified in advance). It can also be used for coating of non-pedestrian concrete, fiber cement, unglazed ceramic, copper, wood, particle board, expanded polystyrene block and other building materials. Quality is suitable for processing in industrial applications, such as the manufacture of roof coverings (concrete, metal). **ETERNAL mat akrylátový** is not suitable for top coats of windows, doors, furniture, etc. For these purposes we recommend **ETERNAL mat Revital**, **ETERNAL lesk akrylátový**, **ETERNAL pololesk akrylátový**.

Technical data:

Dry matter weight	min. 50 wt. %
Spec. Weight	1,3 g /cm ³
Dry matter volume	38,0 ± 1,0 vol. %
pH	8,0–10,5
Consistency (4 mm/23 °C)	min. 40 sec
Drying grade 1	35 minutes
grade 4	up to 24 hours
Frost resistance	500 cycles (without a change) Evaluated on concrete roof covering
Surface adhesion	3,0 MPa (on concrete)
Content of volatile organic compounds (VOC):	
Category/subcategory of product	A/d
Max. volume of VOC in product	38,5 g/l
	0,0296 kg/kg
TOC	0,0172 kg/kg

Consumption:

• galvanized steel, aluminum	0,28–0,30 kg/m ² (2 layers)
• concrete roof covering	0,28–0,30 kg/m ² (2 layers)
• fiber-cement	0,25–0,30 kg/m ² (2 layers)
• wood fiberboards	0,35–0,40 kg/m ² (2 layers)

Primer usage:

0,15 to 0,40 kg/m² – according to the absorbency of the surface

Shades:

01 white, 02 light grey, 03 medium grey, 04 dark grey, 05 yellow, 06 green, 07 russet, 08 brick red, 09 dark brown, 010 rosewood, 013 black, 014 ivory, 016 blue, 017 light yellow, 018 strawberry, 019 light brown, 021 medium brown, 022 dark green, 023 cherry, 024 natural wood, anthracite COOL, brown COOL, black COOL.

Centre **COLOR SYSTEM AUSTIS** tones and shades according to different swatches (choice from more than 8000 shades is available).

Packaging:

- standard shades: 0,7 kg cans, 5 and 10 kg containers, selected shades 2,8 kg
- tinted in shades of CSA: 0,7 kg cans, 5 and 10 kg plastic containers

Storage:

Store (in the original unopened packaging) between 5–25 °C. It must not freeze!

Application:

ETERNAL mat akrylátový is applied on dry, thoroughly cleaned and degreased surface free of loose particles with a brush, roller, air or airless spraying, at temperature of surface and air from 8 °C to 30 °C. **ETERNAL mat akrylátový** is applied in two or three layers within a period of min. 4 hours (at 20 °C) between coats. For application via high pressure airless spray, **ETERNAL mat akrylátový** is not diluted. It is sprayed at a pressure of 200 bar using a No.311 nozzle or larger. (Tested on VYZA vario devices), possibly with the Super Finish 23 membrane device from Wagner, air pressure on the membrane min. 120 Bar, spray pressure min. 90 Bar, nozzle used HEA 411 and larger, minimum wet paint layer thickness 120 µm. Tools should be washed with water immediately after usage.

Examples of the use of paint ETERNAL mat akrylátový:**Paint on galvanized surfaces and aluminium:**

ETERNAL mat akrylátový can be used for painting of a new galvanized sheet without previous oxidation. The surface must be thoroughly cleaned from mechanical impurities, residues of old loose paint and degreased (best solution is **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water). Any small areas of unprotected iron (screws, joints, etc.) must be provided with a basic anti-corrosive paint and **ETERNAL antikor akrylátový** in two layers. The total thickness of **ETERNAL antikor akrylátový** must be min. 80 µm. The time interval between coats is 5 hours at 20 °C, followed by two coats of undiluted material **ETERNAL mat akrylátový** with an interval of 24 hours between coats. Adhesion on aluminum sheet needs to be verified.

Coating steel surfaces:

Steel surfaces must be thoroughly cleaned from corrosion products, mechanical impurities, residues of old loose paint and degreased (best solution is **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water). The prepared surface should be fitted with one or two coats of **ETERNAL antikor akrylátový** or **ETERNAL na kovy** with an interval of 5 hours between coatings. After drying, the basic anticorrosion coating is made by two coats of **ETERNAL mat akrylátový** with an interval between coats min. 4 hours.

Paint for concrete and fiber cement roofing:

The old roofing must be completely rid of impurities, soot and moss, old non-stick coatings, degraded surface layers and grease. This prepared surface should be completely saturated by a special primer **FORTE penetral**. Prime one coat to saturate the surface. When primed, the dried agent will create a glossy film on the surface coverings. After min. 6 hours of waiting, apply two coats of undiluted material **ETERNAL mat akrylátový** with a time interval between coats for at least 4 hours depending on the

temperature and humidity. When applied on older, highly porous, cohesionless concrete and fiber-cement roofing, the paint should be tested on a test strip and also consulted with the manufacturer.

Painting wood, fiber board and particle board:

When the surface is thoroughly cleaned, remove the resin site (e.g. by washing with resin thinner), regrind the surface lightly with a fine sandpaper, and paint with **FORTEKRYL napouštědlo na dřevo** with protective effects against wood-destroying fungi, wood discolorations and insect damage. In dry interior, it is possible to use primer **FORTE penetral**. After the primer dries (i.e. based on the used material after 8–20 or approx. 6 hours) reground surface lightly with a fine sandpaper and apply two coats of **ETERNAL mat akrylátový** with an interval of 12 hours between coats. For a shiny appearance, make an additional coat with **ETERNAL lesk akrylátový**.

Certification:

TZÚS Prague Authorized Person No. 204, Bratislava TSÚS Notified Person No. 1301.

Waste disposal:

Included on the data sheet of the product.

Safety and hygiene at work:

When following basic hygiene rules **ETERNAL mat akrylátový** is not a health hazard. The product is a treated article, contains a biocidal product. It contains a reaction mixture CMIT/MIT (3:1) [Index number: 613-167-00-5]. May cause an allergic reaction. It is necessary to use suitable protective clothing, gloves and goggles. Wash skin with soap and water, in case of contact with eyes, flush immediately with water. If irritation does not stop, seek medical help. If accidentally swallowed, seek medical help. Do not induce vomiting. Details are provided in the safety data sheet of the product.