

ETERNAL® pololesk akrylátový

Serial Number 1405

water soluble coating for interior and exterior semi-gloss coatings

Features:

ETERNAL pololesk akrylátový is universal water-soluble coating for interior and exterior usage, made form dispersion of acrylate copolymers, pigments, fillers and additives. It creates hard, elastic semi-gloss coatings with high wind resistance and great blocking resistance even in higher temperatures. It is specified with very good covering capability, good spillage, fast drying and great adhesion even on old synthetic and oil coatings.

Usage:

ETERNAL pololesk akrylátový is suitable for interior and exterior coatings of wood, fireboard, particleboard, chipboard, plasterboard, mineral and metallic surfaces treated with anticorrosive coating and some kinds of plastic: tough and hard PVC, ABS, polystyrene, Umakart, polyester and epoxide laminates. Not suitable for coating of PE, PP, PTFE. On plastics with unknown structure, trial coating is needed. It is suitable for coating of wooden window frames including plastic windows, doors, door frames, central heating, furniture (wooden, plastic or metallic chairs, shelves, benches). **ETERNAL pololesk akrylátový** is suitable for coating of new surface or for re-coating. It is not suitable for coating of concrete floors.

Technical data:

Dry matter		min. 50 wt. % (RAL 8017 min. 46 wt. %)
Specific weight		1,3 g.cm ⁻³ (RAL 8017 1,2 g.cm ⁻³)
pH		7,5–9,5
Viscosity (Brookfield A/5/10)		min. 2500 mPa.s (23 °C)
Drying	grade 1	1 hour
	grade 5	5 hours (RAL 8017 6–24 hours)
Gloss 60°		35–55 %
Hardness of film (Persoz, 10 days)		min. 20 % (RAL 8017 min. 17 %)
Contain of volatile organic compounds (VOC):		
Category/subcategory of product		A/d
Max. volume VOC in product		75 g/l 0,060 kg/kg

Consumption:

- wood, fireboard 0,24–0,32 kg/m² (two layers)
- metal, plastic 0,24–0,30 kg/m² (two layers)
- mineral surface, plasters 0,30–0,35 kg/m² (two layers)
- chipboards 0,24–0,30 kg/m² (two layers)

Shades:

white RAL 9003, elephant bone RAL 1015, dark brown RAL 8017;
Centers of COLOR SYSTÉMU AUSTIS tone into lighter shades according to various samplers.

Packaging:

0,35 kg, 0,7 kg cans, 2,8 kg plastic containers

Storage:

In original unopened containers between 5 °C and 25 °C. It must not freeze!

Application:

ETERNAL pololesk akrylátový is applied on dry, clean and degreased surface with no loose particles and remains of non-adhesive coatings. It is applied by brush, roller, pneumatic or high-pressure airless spraying in surroundings between 8 °C and 30 °C and relative humidity of max. 75 %. The coating is diluted with up to 10 hm. % of water according to chosen technology of application. **ETERNAL pololesk akrylátový** is applied in 2–3 layers according to required thickness with time interval at least 3 hours (at 20 °C) between coatings. The time interval between coatings must be longer with lower temperature and higher humidity. Longer interval is also needed on surfaces with high absorption.

Examples of use of ETERNAL pololesk akrylátový:**Coating of steel surfaces:**

Steel surface must be cleaned of any corrosion, mechanical impurities, remains of loose particles of old coatings, degreased (solution of concentrate **ETERNAL odmašťovač**, or other suitable detergent and washed with water). Prepared and dry surface is coated with two layers of **ETERNAL antikor akrylátový** or **ETERNAL na kovy** with an interval between coatings of at least 4 hours. After the anticorrosive coating is dry, two layers of **ETERNAL pololesk akrylátový** are applied with an interval between coatings from 3 to 5 hours.

Coating of wood, particleboards and fireboards:

Surface must be cleaned of dust, mechanical impurities, resinous spots, the surface is treated with **FORTEKRYL napouštědlo na dřevo** with protective effects against wood-damaging and wood-coloring fungi and wood-damaging insects. In dry interiors it is possible to use even **FORTE penetral**. After drying of the penetration, the surface must be reground with fine sandpaper. Particleboards and fireboards are treated with one layer of isolating coating **ETERNAL In stop** afterwards to prevent possible penetration of color stains from surface into top coating. After the isolating coating is dry, the surface must be reground with sandpaper. On the prepared surface are applied two layers of **ETERNAL pololesk akrylátový** with an interval between coatings from 3 to 5 hours.

Coating of mineral surfaces and plasters:

Mineral surfaces must be rid of old coatings, mechanical impurities, degreased (**ETERNAL odmašťovač**). Dry surface is then treated with **FORTE penetral** and after it is dry, two layers of **ETERNAL pololesk akrylátový** are applied with an interval between coatings of 3 hours. For penetration of surfaces with high absorption (plasters) **ETERNAL pololesk akrylátový** diluted with water in ratio 1 : 1 can be used. Mineral surfaces must be properly carbonated. **ETERNAL pololesk akrylátový** is not suitable for coatings of concrete floors.

Coating of chipboards:

Chipboards must be properly carbonated. The surface must be rid of mechanical impurities, soot and moss, old non-adhesive coatings, degraded surface layers and degreased. Prepared surface is then penetrated with special penetrating product **FORTE penetral**. Penetration is made by single coating until the surface is fully saturated. After the penetrating coating is dry and shiny film appears, no more penetration is needed. After at least 6 hours from penetration, two layers of **ETERNAL pololesk akrylátový** are applied with time interval between coatings of at least 3 to 5 hours.

Coating of plastics:

Plastic surface must be cleaned, rid of all remains of old non-adhesive coatings, glues, separators, protective foils and degreased (solution of concentrate **ETERNAL odmašťovač**, or other suitable detergent and washed with water). Shiny surfaces should be reground with fine sandpaper (number 360 or finer). On the prepared surface are applied two layers of **ETERNAL pololesk akrylátový** with an interval between coating of at least 3 to 5 hours.

Certification:

TZÚS Prague Authorized Person No. 204.

Waste disposal:

Described on safety data sheet of the product.

Safety and hygiene at work:

When following basic hygiene rules **ETERNAL pololesk 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. A safety data sheet is available on request. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. 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 plenty of water. If irritation does not stop, seek medical help. While spraying, it is necessary to be protected by suitable means with gas filter (gasmask). In case of swallowing drink about 0,5 l of tepid water with 10 crushed charcoal tablets and seek medical help. Do not induce vomiting. Other details are on the Safety data sheet of the product.