ETERNAL® epoxy stabil

Serial Number 9902

two-component water-based epoxy email to highly resistant painting for concrete floors for indoor use

Features:

ETERNAL epoxy stabil is a two component water-soluble coating prepared from an aqueous dispersion and medi-molecular epoxy resin, water driven hardeners, pigments, fillers and special additives. The coating has very good abrasion resistance, good water resistance, chemical de-icing agents, aliphatic and aromatic hydrocarbons dilute acids, alkalis and rendering solutions.

Usage:

Two-part epoxy paint **ETERNAL epoxy stabil** is designed for finishing concrete floors in basements, garages, workshops, stores, warehouses, exhibition spaces, etc. It is suitable for coating of internal surfaces of concrete, lime and cement plaster, wood, fiberboard, chipboard and plasterboard. It can be also used for internal coating of metal surfaces bearing corrosion coatings.

Technical data:

Dry matter	Component A	min. 54 wt. %
	Component B	min. 58 wt. %
Specific weight	Component A	ca. 1,1 g/cm^3
	Component B	ca. 1,6 g/cm^3
Dry matter volume		46,0 ± 1,0 vol. %
Mixing ratio of components		1 : 1 (wt. parts)
Viscosity after mixing		min. 500 mPa.s (25 °C)
Processing time (pot life)		2 hours
Drying	grade 1	1 hours.
	grade 5	24 hours
Opacity		grade 1
Gloss		grade 1
Hardness after 24 hours		20 %
Minimum application temperature		+15 °C
Resistance CHRL (TKP MDS-OPK, Chapter 18 in January 1997, Annex 3, ČSN 73 1326 C Method of automatic cycling II)		115 cycles (without a change)
Content of volatile organic compounds after mixing (VOC):		
Category/subcategory of product		A/j
Max. volume of VOC in product		63 g/l
		0,0504 kg/kg
TOC		0,0292 kg/kg

Consumption:

0,4–0,5 kg/m^2 (2–3 layers)

Shades:

- light gray
- tinted shades according to RAL pattern book

Packaging:
10 kg (5 kg A + 5 kg B) plastic containers

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

Surface preparation:
The surface requirements for **ETERNAL epoxy stabil**:

- mature concrete (min. 28 days)
- dry, moisture content can be a maximum of 5 wt. %
- cohesive, tensile strength of surface layers min. 1,5 MPa, if the coating has sufficient tensile strength, it has to be removed mechanically (for example by blasting or milling)
- repaired (damaged areas must be repaired with cement mortar)
- cleaned from loose particles and removed old paint and grease
- new and polished concrete floors, new floors and surfaces of anhydrite leveling and self-leveling cement-based adjustment, is necessary to blast or grind (for the removal of cement milk/sinter)
- materials must be primed with epoxy paint **ETERNAL epoxy stabil** diluted with water in the ratio 1 : 1
- metal surfaces, it is necessary to provide a suitable anti-corrosion coating (**SANAKRYL antikor EP**)

No guarantee can be provided for coatings made without prior proper preparation of the surface.

Application:
Component A is mixed with component B in the ratio 1 : 1 wt. parts with slow stirring for 5 minutes. After thorough mixing, the paint should be allowed to stand 15 minutes, then mix briefly once again and apply. Can be diluted with water after the induction period to achieve the proper consistency for different application techniques. **ETERNAL epoxy stabil** can be applied with a brush, paint brush, roller, air or airless spray on the prepared surface five hours after the primer has dried. Paint with two coats in an interval of 24 hours between coats. Temperature of the substrate and the environment during application must be at least 15 °C, relative humidity up to 80 %. For proper drying process and prevention of the formation of coating defects it is necessary to dry with adequate ventilation. The paint should be applied in layers of minimum thickness. For treatment it is recommended by 1 shake to coat suitable sand fraction (0,2 to 0,5 mm). The paint, which dries at 20 °C and 60% rel. moisture, is ready after 24 hours, after 3 days it is possible to mechanically strain. Fully cured coating is after 7 days have passed. With low temperatures drying the paint takes much longer to dry.

Warning:
The product formed by mixing components A and B can be worked with within 2 hours at 20 °C. After this time you cannot use paint. Increased temperature significantly reduces processing time. Work cannot be performed at a relative humidity above 80 %. Higher relative humidity may affect the process of drying of the coating and the final properties of the coating or cause defects. Tools should be washed with water immediately after usage.

Certification:
TZÚS Prague Authorized Person No. 204

Waste disposal:
Included on the safety data sheet of the product.

Safety and hygiene at work:

Component A: is not classified as dangerous. It contains epoxy components. 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.

Component B: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Keep out of reach of children. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and possible. Continue rinsing. IF ON SKIN: Wash with a lot of soap and water. If skin irritation or rash occurs, get medical help. Dispose of contents/container in accordance with the relevant national legislation. Details are provided in the safety data sheet of the product.