

ETERNAL® elast

Serial Number 9704

special flexible acrylic paint with the ability to bridge hairline cracks on the protective coating anti-carbonation concrete and paint facades with cracks

Features:

ETERNAL elast is a flexible coating based on aqueous dispersions of acrylic copolymers capable of special networking effect of ultraviolet solar radiation. It also contains fillers, pigments and special additives. The finished paint is always highly flexible and is resistant to cracking, weathering and UV radiation. It has very good resistance to chemical de-icing substances and is impermeable to water, carbon dioxide, sulfur dioxide. It has good permeability to water vapor and is washable with water, with very few stains. **ETERNAL elast** does not affect sound absorption panels.

Usage:

ETERNAL elast is intended for the implementation of safeguarding and anti-corrosion coatings for concrete and reinforced concrete structures. It is also suitable for road construction and finishing acoustic panels. Due to the high vapor permeability and flexibility, it is highly suitable for surface treatment of building facades from ripe plaster, concrete structures, structures made of porous concrete plaster and fiber-cement panels, which are prone to rapid drying and cracking. It is not intended to modify the surface area exposed to mechanical stress, such as walking and maneuvering areas. It cannot be used to finish concrete surfaces permanently located underwater, such as swimming pools, canals, etc.

Technical data:

Dry matter		min. 68 wt. %
Specific weight		1,4 g /cm ³
Dry matter volume		52,0 ± 1 vol. %
pH		7,5–9,5
Viscosity		min. 650 mPa.s
Drying	grade 1	40 minutes
	grade 5	24 hours
Tensile strength (23°C)		min. 1,1 MPa
Frost resistance		100 cycles (without a change)
Elongation (23 °C)		min. 75 %
The equivalent diffusion thickness		< 0,4 m
Water resistance		0,01 l/m ² per hour
μCO ₂		487 000
Resistance CHRL		115 cycles (without a change)
(TKP MDS-OPK, Chapter 18 in January 1997, Annex 3, CSN 73 1326 C Method of automatic cycling II)		
Content of volatile organic compounds (VOC):		
Category/subcategory of product		A/c
Max. volume of VOC in product		12,5 g/l 0,00892 kg/kg

Consumption:

Anti-carbonating coatings	0,4 kg/m ²
Substrates with cracks	0,4–0,9 kg/m ² according to the width of cracks

Crack width	Mass consumption
0,2 mm	2 x 0,2 kg/m ²
0,3 mm	2 x 0,3 kg/m ²
0,5 mm	3 x 0,3 kg/m ²

Shades:

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

Packaging:

10 kg plastic containers

Storage:

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

Surface preparation:

The surface for **ETERNAL elast** must be smooth and free from weathered parts, old paint (mechanical, pressure water blasting). Damaged areas of the surface must be repaired and corrected in a manner with a min. of 28 days. Cracks wider than 0,3 mm should be repaired by known technological procedures repaired permanently flexible acrylic sealant, if necessary, use reinforcing fabric. Highly absorbent surfaces must be first treated by primer **FORTE penetral**, if resistance to chemical defrosting agents is required, it is necessary to penetrate with **ETERNAL elast**, diluted with water in the ratio 3:1. **ETERNAL elast** can be applied 4 hours after applying the primer.

Application:

ETERNAL elast is applied with a wide brush, paint brush, roller or airless spray at temperatures of 5 °C to 25 °C. Do not apply under intense direct sunlight. When using this paint, apply two coats with a total consumption of 0,4 kg/m². When used on a facade which is cracked, it is applied in 2 to 3 layers of up to 0,3 kg/m² per coat. The number of layers and the amount of matter is determined by the width of the cracks. The first layer is advisable to paint with **ETERNAL elast** diluted 5 to 10 wt. % water. A break between coats, according to climatic conditions, 6–24 hours. Used equipment should be washed after the use with water.

Certification:

TZÚS Prague Authorized Person No. 204

Waste disposal:

Included on the safety data sheet of the product.

Safety and hygiene at work:

When following basic hygiene rules **ETERNAL elast** is not a health hazard. Harmful to aquatic life with long lasting effects. The product is a treated article, contains a biocidal products. It contains a reaction mixture CMIT/MIT (3:1) [Index number: 613-167-00-5] and octhilinone (ISO) [ES: 247-761-7]. May cause an allergic reaction. Avoid release to the environment. Dispose of contents/container by incineration in an incinerator or disposal of hazardous waste in landfills for hazardous waste. 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.