

# ETERNAL® mořidlo na beton

Serial number 2201

## ***water soluble coating substance for revitalization, colorization and unification of the concrete surfaces look***

### ***Features:***

**ETERNAL mořidlo na beton** is a special water-soluble coating substance based on water dispersion of acrylic copolymer, suitable pigments, fillers, and additives, designated for concrete surface treatment. It revitalizes and unifies the concrete surface look and colorization, suppresses stains, and decreases blooming on the surface. The final coating is matte, it preserves the structure of the surface, it is permeable for water steam, has great adhesion on concrete surfaces, very good chemical resistance and very good UV-ray and wind resistance.

### ***Application:***

**ETERNAL mořidlo na beton** is designated for outdoor and indoor concrete surface treatment, treatment of concrete tiles, concrete interlocking pavements in garages and outdoor parking spaces. It is suitable for concrete floors treatment. It can be used on sandstone and some other types of building stone as well.

**ETERNAL mořidlo na beton** is not suitable for treating surfaces permanently under water. It is not suitable for smoothed concrete surfaces without prior roughening.

### ***Technical data:***

Dry matter	min. 25 weight % min. 21 volume %
Specific weight	1,0–1,1 g/cm <sup>3</sup>
pH	8,5–9,5
Consistency (4 mm/23 °C)	min. 20 s
Adhesion	min. 2,0 MPa
Volume of Volatile organic matter:	
Category/subcategory of product	A/e
Max. volume of VOC in the product	66 g/l
	0,060 kg/kg
TOC	0,0336 kg/kg

### ***Consumption:***

0,10–0,15 kg/m<sup>2</sup> (in 1 layer)

### ***Color shade:***

Sandy, red, grey, anthracite, transparent, other shades according to sampler RAL.

### ***Packaging:***

1,8 and 4,5 kg sheet metal package

### ***Storage:***

In the original well-closed package in temperatures from 5 °C to 25 °C. It must not freeze!

### **Surface preparation:**

The surface for **ETERNAL mořidlo na beton** must be:

- Concrete, gravel, and self-levelling substances based on cement cured for at least 28 days.
- Dry, humidity of the surface can be max. 5 weight %.
- Cohesive, tensile strength of surface layers min. 1,5 MPa; In case the surface layer does not have adequate tensile strength, it is necessary to remove it mechanically (i.e., by jetting or milling).
- Repaired (damaged spots need to be fixed for example with cement mortar).
- Cleared of all loose mechanical particles and non-cohesive old coating layers, moss, algae, and other impurities.
- Degreased, for example with **ETERNAL odmařtovač** product, in case of higher level of greasing, the grease stain removal Öl-ex S is appropriate.
- New floor surfaces based on anhydrite, concrete and other cement-based substances, and smoothed concrete floors must be jetted or abraded.

For the coatings made without the described prior surface preparation – no guarantees can be provided.

### **Processing:**

**ETERNAL mořidlo na beton** is not to be diluted, however before the processing it must be properly mixed. It should be applied with a wide brush, application roller or airless spraying in 1–2 layers with at least 4 hours break between the layers according to wind conditions. The treated surface can be walked on approximately after 4 hours from the application of last layer, can be lightly weighted after 24 hours and fully weighted after 7 days.

The coating can be applied in temperatures from 10 °C to 30 °C, the outdoor applications must not be done in direct intense sunshine. Used tools must be washed right after the application with water.

### **Remark:**

Many concrete products are already impregnated at the factory to prevent the penetration of water and dirt into the concrete. This can affect the anchorage of waterborne coatings to the concrete surface and cause subsequent peeling of the coating. The presence/absence of this concrete treatment can be verified by pouring water on the surface. With a surface treatment, water droplets will form on the non-wetted surface, without a surface treatment, uniform wetting of the surface will occur and water will soak into the substrate. If the concrete is coated with an impregnation layer, it is necessary to wait about 1-2 years before applying the coating until it loses its effectiveness (verify as mentioned earlier).

### **Certification:**

TZÚS Praha, Notified subject 2010.

### **Waste disposal:**

Described on Safety list of the product.

### **Safety and hygiene:**

**ETERNAL mořidlo na beton** is classified as dangerous according to law. It contains reaction mixture (ES: 400-830-7), reaction mixture (ES: 915-687-0), 2-butoxyethanol, 2,4,7,9-tetramethyldec-5-yne-4,7-diol, and ammonia water. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Keep out of reach of children. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Dispose of

contents/container in accordance with the relevant national legislation. The product is a treated article, it contains a biocidal product. It contains a reaction mixture: CMIT/MIT (3:1) [Index number: 613-167-00-5]. May cause an allergic reaction. In case of swallowing – drink approximately 0,5 l of lukewarm water with 10 crushed tablets of charcoal, in case of further difficulties seek medical help. Do not induce vomiting. More detailed information is given in the Safety Data Sheet.