

# ETERNAL® mat Revital

Serial Number 0502

## *new generation universal dispersion acrylic paint*

### **Features:**

**ETERNAL mat Revital** (ETERNAL Revital matte) is a versatile water-based paint for indoor and outdoor use, made from special acrylic copolymers, pigments, fillers and additives. It forms a relatively hard, elastic satin paint with high resistance to weathering, and excellent blocking resistance, even at higher temperatures. It has very good hiding power, good leveling, fast drying and excellent adhesion, even to old oil and synthetic coatings. **ETERNAL mat Revital** complies to EN 71 Part 3 Toy Safety Migration of certain elements.

### **Usage:**

**ETERNAL mat Revital** is designed for indoor and outdoor wood coatings, chipboard, plasterboard, concrete and metal substrates bearing anti-corrosion coating, and fiberboards. It is suitable for painting window frames and sash, doors, door frames, radiators, central heating, school boards, furniture, such as wooden and metal chairs, shelves, benches, carpet beaters, etc. **ETERNAL mat Revital** is suitable for both new and refreshing paint. It is not suitable for painting of concrete floors.

### **Technical data:**

Dry matter		min. 50 wt. %
Spec. Weight		1,25–1,30 g/cm <sup>3</sup>
pH		8,5–10,0
Viscosity (A/4/20)		min. 1000 mPa.s (23 °C)
Drying	grade 1	up to 60 minutes
	grade 5	up to 4 hours
Film hardness (Persoz)	3 days	min. 20 %
	10 days	min. 25 %
Content of volatile organic compounds (VOC):		
Category/subcategory of product		A/d
Max. volume of VOC in product		45 g/l
		0,036 kg/kg
TOC		0,01726 kg/kg

### **Consumption:**

Wood, fiberboard	0,22–0,35 kg/m <sup>2</sup> (2 layers)
metals	0,20–0,25 kg/m <sup>2</sup> (2 layers)
concrete, plaster	0,30–0,35 kg/m <sup>2</sup> (2 layers)
fiber-cement boards	0,20–0,30 kg/m <sup>2</sup> (2 layers)

### **Shades:**

201 white, 202 gray, 205 oak yellow, 206 green, 207 russet, 209 brown, 213 black, 214 Ivory, 216 blue, 217 yellow, 218 red, 222 green light

### **Packaging:**

0,35 and 0,7 kg cans, selected shades of 0,1 kg cans, 2,8 and 10 kg plastic containers

**Storage:**

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

**Application:**

**ETERNAL mat Revital** is applied to dry, thoroughly cleaned and degreased surface, free of loose particles and debris from non-stick coatings by brush, roller, air or airless spraying high-pressure, at temperature of surface and air from 8 °C to 30 °C and relative humidity up to 75 %. According to the selected coating technology, the paint can be diluted with water up to 15 wt. %. For application via high pressure airless spray **ETERNAL mat Revital** is not to be diluted. It is sprayed at a pressure of 160 bar using a no. 311 nozzle or larger (tested on VYZA vario devices). **ETERNAL mat Revital** is applied in two or three layers, according to the required thickness, within a period of min. 2 hours (20 °C). At lower temperatures and higher relative humidity, it is necessary to extend the time range. The extension is necessary even in case of highly absorbent surfaces.

**Examples of ETERNAL mat Revital applications:****Coating steel surfaces:**

Steel surfaces must be thoroughly cleaned from corrosion products, mechanical impurities, residues of old loose paint and degreased (best solution **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water). The prepared surface should be coated with one or two coats of **ETERNAL antikor akrylátový** or **ETERNAL na kovy** with an interval of 4 hours between coatings. After the drying of the anticorrosive primer, apply two coats of **ETERNAL mat Revital** with an interval between coats of 2 hours.

**Painting wood, particle board and plywood:**

The surface is thoroughly cleaned from dust and impurities, resin spots are removed (washing with thinner), the surface should be impregnated with a primer such as **FORTEKRYL napouštědlo na dřevo** with protective effects against wood-destroying fungi and wood discolorations and insect damage. In dry interiors it is possible to use primer **FORTE penetral**. After drying, the surface primed should be re-grinded with fine sandpaper. Fiberboard and particle board then need one insulating paint of **ETERNAL IN stop** against any penetration of the color patches of the surface to the topcoat. After drying, the surface of the insulating coating is re-grinded with fine sandpaper. Apply two coats of **ETERNAL mat Revital** on the prepared surface with the time interval between the coats of 2 hours.

**Coating of concrete and plaster surfaces:**

Mineral surfaces need to be rid of non-stick coatings, mechanical impurities, oily surfaces need to be thoroughly degreased (**ETERNAL odmašťovač**). Dry surface can then be primed with **FORTE penetral** and after drying, apply two coats of the paint **ETERNAL mat Revital** with an interval between coats of 3 hours. To saturate highly absorbent surfaces **ETERNAL mat Revital** can be diluted with water in ratio 1 : 1. Mineral substrates must be sufficiently carbonated. **ETERNAL mat Revital** is not designed for coating of concrete floors.

**Coating of fiber boards:**

The surface 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**. Penetration is best made with one coat to saturate the surface. When primed, the dried agent will create a glossy film on the surface and so the primer is done. Six hours after the primer, apply two coats of **ETERNAL mat Revital** with technological break of 4 hours between coats.

**Certification:**

TZÚS Prague. Authorized Body No. 204

***Waste disposal:***

Included on the safety data sheet of the product.

***Safety and hygiene at work:***

When following basic hygiene rules **ETERNAL mat Revital** 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, and in case of contact with eyes, immediately wash for at least 15 min. with water. If irritation does not stop, seek medical help. If accidentally swallowed, seek medical help. Do not induce vomiting.