ETERNAL® na radiátory

Serial Number 0701

water-soluble coating for the top shiny coating of central heating radiators

Features:

ETERNAL na radiátory (ETERNAL for radiators) is a special water-based paint in an aqueous dispersion of acrylic copolymers, pigments, fillers and special additives. It forms a relatively hard, elastic, glossy paint, which is very resistant to temperatures up to 100 °C, non-yellowing and resistant to blocking even at this temperature. It has very good opacity, excellent leveling, fast drying and excellent adhesion even on old synthetic paints.

Usage:

ETERNAL na radiátory is designed for top coats of radiator hot-water heating. Paint can also be used for warm radiators (25 °C) and the temperature can be carefully increased already one hour after coating. **ETERNAL na radiátory** can be used for interior and exterior topcoats bearing metal primer and other surfaces, which are required for non-yellowing and non-blocking coatings, such as windows, doors, benches, railings, etc. **ETERNAL na radiátory** is suitable for both new and refresh paint.

Technical data:

Dry matter		min. 50 wt. %
Specific weight		1,20 g/cm^3
pH		7,5–9,5
Consistency (4 mm – 23°C)		min. 40 sec
Drying	grade 1	up to 45 minutes
	grade 4	up to 24 hours
Gloss		grade 1–2
Opacity		grade 2
Adhesion		grade 1
Resistance sink		6 mm
Contain of volatile organic compounds (VOC):		
Category/subcategory of product		A/d
Max. volume VOC in product		99 g/l
		0,0830 kg/kg
TOC		0,0481 kg/kg

Consumption:

0,28–0,33 kg/m^2 (2 layers – the final coat)

Shades:

white

AUSTIS COLOR SYSTEM centers tint **ETERNAL na radiátory** in pastel shades according to the CSA Trend, EUROTREND, CSA Inorganic and RAL swatches.

Packaging:

0,7 kg cans, 3 kg plastic containers

Storage:

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

Application:
After proper mixing, **ETERNAL na radiátory** is applied in two coats on dry, thoroughly cleaned and degreased surface, free of loose particles and debris, non-stick coatings. It is applied by brush, roller or spray at the base and surrounding area between 8 °C to 25 °C. Recoating interval is 4–6 hours (20 °C). Depending on how many applications are required **ETERNAL na radiátory** can be diluted with water up to 10 %. Equipment should be washed after use with water.

Uses of the paint ETERNAL na radiátory:
Painting new steel and cast-iron radiators:
Radiators should be thoroughly cleaned of rust, dirt and degreased (preferably by **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water). The prepared base should be coated with two coats of anti-corrosive paint **ETERNAL antikor akrylátový** or **ETERNAL na kovy**. Dried anticorrosion coating should be reground with sandpaper No. 220 and radiators should be coated with two coatings of email **ETERNAL na radiátory** with an interval between coats of 4–6 hours.

Refresh paint of steel and cast-iron radiators:
Radiators must be thoroughly cleaned from corrosion, mechanical impurities, residues of old loose paint and degreased (best solution **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water) on places, where exposed metal should be painted with anti-corrosive paint **ETERNAL antikor akrylátový** or **ETERNAL na kovy**. After the anticorrosive primer dries, sand with sandpaper No. 220 to regrind prominent defects in the immediate vicinity of repairs. Anti-corrosive paint and radiators require approximately one or two coats of email **ETERNAL na radiátory** with an interval between coatings of 4–6 hours.

Coating aluminum radiators:
Aluminum radiators with paint and old adhesive still unpainted, should be carefully cleaned from mechanical impurities, residues of old loose paint and degreased (the best solution is **ETERNAL odmašťovač** concentrate, or other suitable detergent followed by rinsing with water). Regrind with sandpaper No. 220 any prominent defects from the original paint (drops, etc.) and then the radiators can be painted with two coats of email **ETERNAL na radiátory** with an interval between coats of 4–6 hours.

Painting Wood:
The surface is thoroughly cleaned from dust and impurities, resin site is 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 dry preparation, the surface should be lightly reground with fine sandpaper. The products, which should have a perfect smooth surface, should be painted with one or two coats of **ETERNAL na dřevo základní** or **ETERNAL mat Revital**. The dried paint is then reground with fine sandpaper. The prepared surface is then painted with two to three coats of email **ETERNAL na radiátory** with a time interval between coats of 4–6 hours. When restoring the old coat of paint after cleaning and degreasing, regrind with fine sandpaper and apply coats of email **ETERNAL na radiátory** with an interval between coats 4–6 hours.

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 na radiátory** 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. In case of contact with eyes, immediately wash with water (at least 10-15 minutes). If irritation does not stop, seek medical help. If swallowed, rinse mouth with tepid water, drink about 0,5 liters of water and seek medical help. Do not induce vomiting. Other details are on the Safety data sheet of the product.