

EPOPRIM

ANTI-CORROSION EPOXY PRIMER



- Fast drying
- Corrosion protection for steel surfaces
- Excellent adhesion to steel, aluminum, and galvanized substrates

DESCRIPTION:

EPOPRIM is a fast-drying, two-component epoxy primer with outstanding adhesion to metal surfaces. Due to its excellent adhesion and the presence of effective anti-corrosion pigments, EPOPRIM provides reliable long-term protection against corrosion, ensuring durable performance even under atmospheric exposure. The primer is resistant to chemical agents (diluted alkali and mild acid solutions, solvents, gasoline, oils, etc.).

FIELD OF APPLICATION:

Intended for priming steel, aluminum, and galvanized surfaces exposed to atmospheric conditions, prior to overcoating with epoxy or polyurethane enamels. Indoors, or in atmospheric conditions without intense sunlight (e.g., under a canopy), it can be used as a standalone, hard, and wear-resistant coating with good resistance to chemical agents. Also used for coating metal garages, fences, railings, gratings, beams, etc. Recommended for use in coating systems with polyurethane and epoxy enamels. The use of alkyd and urethane-alkyd enamels as a topcoat is not permitted.

It is permitted to use this product for coating concrete floors in industrial food processing facilities, with moderate abrasive loads.

TECHNICAL PARAMETERS:	
<u>Colour:</u>	grey
<u>Solids by weight, %</u>	77 ± 2
<u>Drying time at 20°C temperature:</u>	See Table 1

t°C	Drying time, h, not more than	Pot-life after mix with Hardener, h not more than	Recoating interval for EPOPRIM		recoating interval for topcoat PU enamels	
			min	max*	min	max*
+10	7	12	4 h	12 days	8 h	12 days
+20	4	8	1,5 h	6 days	3 h	6 days

*- If maximum recoat time is exceeded, surface must be sanded to improve adhesion before applying subsequent coats.



Consumption:	10 ÷ 12,5 m ² /l for one layer with a dry film thickness of 40 - 50 µm (not including losses during application)
---------------------	--

Primers film thicknes, µm		Necessary number of layers	Theoretical spreading rate (base with hardener) , m ² /l
Dry Film	Wet film (without solvent)		
50	85	1	12
100	170	1-2	6

Solvent:	646
Tools used for application:	Brush, roller, spray or airless spray (nozzle diameter 0,011" - 0,019").
Storage period:	4 years from the date of manufacture in tightly closed manufacturer's container at temperatures not exceeding +30°C.
Packaging:	0.65 L (0.905 kg), 2.6 L (3.607 kg), 3.3 L (4.5 kg), 11 L (15 kg)

APPLICATION:

PREPARATION OF PRIMER FOR USE:

Mixing: Stir base thoroughly and add hardener in a ratio of 100 parts base to 18 parts hardener by weight. Mix well. After adding hardener, allow the mixture to stand for 45 minutes before use.

Dilution: If necessary, dilute to working viscosity with Solvent 646:

5–15% by volume for brush/roller

10–20% for spray application

0–10% for airless spray.

PREPARATION OF SURFACE:

Steel: Remove rust and contaminants by abrasive blasting (Sa 2 ½) or mechanical cleaning (St 2). If full rust removal is not possible, remove loose rust and abrade the surface as much as possible. Note: partial cleaning may reduce anti-corrosion performance.

Aluminum and galvanized surfaces: Degrease and lightly sand with fine abrasive paper or lightly abrasive blast, then wash with 5% ammonia solution and dry.

Fresh concrete surfaces may be painted no sooner than 28 days after installation. All laitance must be removed from concrete surfaces prior to painting (see the separate instruction for surface preparation). Concrete should be homogeneous and, ideally, should not contain modifying additives such as polymer dispersions, curing accelerators, or hydrophobizing agents. These additives may adversely affect the adhesion of the primer-enamel to the concrete.

Therefore, if the exact concrete formulation is unknown, it is required to perform a trial application of the primer-enamel on a small test area, followed by a mechanical adhesion test. The absolute moisture content of the concrete must not exceed 4%.

Concrete surfaces should be primed with EPOPRIM primer itself, diluted up to 10% by volume with Solvent 646.

APPLICATION:

Apply with brush, roller, spray gun, or airless sprayer (nozzle 0.011"–0.019") at air and surface temperatures not lower than +10°C and relative humidity not higher than 85%. For drying/recoat intervals, refer to Table 1. If the maximum recoat time is exceeded, sand the EPOPRIM surface before recoating. Since film thickness strongly affects anti-corrosion properties, a minimum dry film thickness of 50 µm is recommended.

TOOL CLEANING:

After work wash painting tools with solvents 646.

ENVIRONMENT AND OCCUPATIONAL SAFETY AND HEALTH PROTECTION:

Follow these safety precautions: work in a well-ventilated area, use personal protective equipment (glasses, respirator, gloves), dispose of contents/container in accordance with local regulations.

For more information, consult the Safety Data Sheet (available upon request). Follow the instructions on the product Safety Data Sheet.



0.65 L (0.905 kg),
2.6 L (3.607 kg),
3.3 L (4.5 kg),
11 L (15 kg)



6 ÷ 12 m²/l



6 h



646



The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, therefore we cannot guarantee anything but the quality of the product itself in accord with applicable our quality control procedures. We reserve the right to change the given data without further notice. The new information and technical specifications you can find on www.rilak.lv Users should always consult RILAK for specific guidance on the general suitability of this product for their needs and specific application practices.