

EPOTOP 50

SEMI-GLOSSY EPOXY PRIMER ENAMEL



- Chemically resistant
- Suitable for protecting both metal and concrete surfaces
- Tintable
- Multi-functional

DESCRIPTION:

Two-component epoxy anti-corrosion primer-enamel. Forms a semi-gloss coating resistant to the effects of aggressive chemical agents such as petroleum products, oils, weak solutions of non-oxidizing acids, and salts. When applied to concrete floors, it increases their resistance to mechanical damage, and when used for marking concrete floors, it provides bright and long-lasting markings. The enamel can be tinted to both light and dark shades.

AREAS OF APPLICATION:

Designed for coating metal surfaces exposed to industrial and marine atmospheric conditions. Recommended for painting metal structures, industrial equipment, pipe racks, and similar applications. May also be used for painting concrete and plastered walls in food-processing industrial environments, concrete floors with medium abrasive load, as well as for various types of concrete floor markings (zone designations, arrows, indicators).

TECHNICAL PARAMETERS:	
<u>Colour:</u>	White (TAL base) which may be tinted in to light shades. TDL base may be tinted to dark shades using "TEMACOLOR SCALA" tinting system.
<u>Gloss:</u>	Semi- gloss
<u>Drying time at 20°C temperature:</u>	

T °C	Drying time , h Not more than	Pot life after addition the hardener , h, not more than	Recoating interval before next coat of EPOTOP 50	
			h not before	days not later *)
+10	8	12	5	10
+20	6	8	3	5

*) If the duration till recoating is more than shown, it is recommended surface sanding to improve adhesion

<u>Consumption:</u>	8,2 ÷ 8,5 m ² / l for one layer with a dry film thickness of 60 µm (not including losses during application)
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Thickness of layer, µm		Necessary number of layers	Theoretical spreading rate , (enamel with hardener), m ² / l (g / m ²)
Dry film	Wet layer (without solvent)		
60	120	1	8,2 – 8,5 (145–150)
120	240	1 - 2	4,1 – 4,5 (290–300)



Solvent:	646
Tools used for application:	Brush, roller, paint spray
Storage period:	4 years from the date of manufacture in tightly closed manufacturer's container.
Packaging:	2.7 l (3,3 kg); 9 l (11 kg)

APPLICATION:

PREPARATION OF PRIMER FOR USE:

Mixing: Stir base thoroughly and add hardener in a ratio of 100 parts base to 20 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:

0–5% by volume for brush/roller

5–10% for spray application.

PREPARATION OF SURFACE:

Steel surfaces must be cleaned of rust and contaminants to a degree of Sa 21/2 or St3 before painting. Aluminum or galvanized surfaces used indoors can be painted without prior priming. Aluminum or galvanized surfaces must be degreased and lightly treated with fine-grit sandpaper or subjected to light abrasive blasting, then washed with a 5% ammonia water solution and dried.

Fresh concrete and plastered surfaces can only be painted no earlier than 28 days after installation. Lime milk must be removed from concrete surfaces before painting (see separate instructions for preparing concrete surfaces before painting). The concrete must be homogeneous and, ideally, should not contain modifying additives (polymer dispersions, curing accelerators, water-repellent additives, etc.). These additives may negatively affect the adhesion of the primer-enamel to the concrete. Therefore, if the exact composition of the concrete is unknown, a test application of the primer-enamel should be performed on a small experimental area, followed by mechanical testing for adhesion. The absolute humidity of the concrete should not exceed 4%. When applying EPOTOP 50 on previously painted surfaces, a test coating on a small area should be performed with subsequent inspection.

PRIMING OF SURFACE:

Steel surfaces exposed to atmospheric conditions and those used indoors should be primed with the EPOPRIM primer. EPOTOP 50 can be applied without prior priming. In this case, the coating thickness should be at least 120 µm.

Concrete and plastered surfaces should be primed with the primer-enamel EPOTOP 50, diluted with 646 solvent to 10% (by volume).

APPLICATION:

Apply the coating to the prepared surface in 1-2 layers using a brush, roller, sprayer, or airless spraying equipment (nozzle diameter 0.011"-0.018") at an air and surface temperature of at least +10°C and relative air humidity not exceeding 85%.

TOOL CLEANING:

After work wash painting tools with solvent 646.

ENVIRONMENT AND OCCUPATIONAL SAFETY AND HEALTH PROTECTION:

Follow these safety precautions:

Harmful by inhalation and in contact with skin. Causes skin inflammation. Toxic to aquatic organisms. May cause long-term harmful effect in the aquatic environment. Keep closed and protect from children. Avoid inhalation of vapors and

aerosols. Avoid contact with skin and eyes. If swallow seek medical help immediately and show the product package or label. Use only in well-ventilated areas. Do not allow to reach the environment. Follow the instructions on the product Safety Data Sheet.



2.7 l (3,3 kg); 9
l (11 kg)



4.1 ÷ 8,5 m²/l



6 h



646



TEMACOLOR
SCALA (TAL,
TDL bases)

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.