

# URETOP 70, URETOP 50

## POLYURETHANE ENAMELS



- High Weather Resistance
- Provides long-lasting decorative and anti-corrosion properties
- Suitable for painting steel, galvanized, and aluminum surfaces

### DESCRIPTION:

Two-component polyurethane enamel with exceptionally high weather resistance. Forms a glossy, hard, wear-resistant film that retains high decorative and protective properties for an extended period (up to 15 years with proper surface preparation and primer selection). The enamel maintains its gloss for a long time.

### FIELD OF APPLICATION:

Designed for long-term corrosion protection of metal surfaces exposed to atmospheric conditions (including marine and industrial environments). It can also be used for the maintenance painting of transport and other equipment.

TECHNICAL PARAMETERS:	
<b>Colour:</b>	White (TAL base) which may be tinted in to light shades. TDL base may be tinted to dark shades using "TEMACOLOR SCALA" tinting system.
<b>Gloss:</b>	70 – gloss, 50 - semi gloss
<b>Drying time at 20°C temperature:</b>	16 hours
<b>Consumption:</b>	<ul style="list-style-type: none"> <li>• 12 - 14 m<sup>2</sup>/L for a dry film thickness of 40 µm.</li> <li>• 8 - 10 m<sup>2</sup>/L for a dry film thickness of 60 µm</li> </ul>
<b>Solvent:</b>	Solvent 2290, 646 or butyl acetate
<b>Tools used for application:</b>	Brush, roller, paint sprayer.
<b>Storage period:</b>	48 months in tightly closed manufacturer's container
<b>Packaging:</b>	URETOP 70 (base TAL)-0,9 l (0,87 kg), 2,7 l (2,61 kg), 9,0 l (8,7 kg) URETOP 70 (baseTDL)-0,85 l (0,87 kg), 2,55 l (2,6 kg), 8,5 l (8,7 kg) URETOP 50 (baseTDL)-0,85 l (0,9 kg), 2,55 l (2,7 kg), 8,5 l (9 kg) ( Weight and volume are shown including hardener ).

## **APPLICATION:**

### **PREPARATION OF PAINT FOR USE:**

Before use, the enamel base should be thoroughly mixed and combined with the hardener in the following ratio:

- For URETOP 70 (TDL base): 100 : 24 by weight.
- For URETOP 70 (TAL base): 100 : 30 by weight.
- For URETOP 50 (TDL base): 100 : 21 by weight.

If necessary, the enamel can be diluted with Thinner 2290 or butyl acetate to the working viscosity, but not more than 20%.

**The mixed enamel with hardener must be used within 6 hours.**

### **PREPARATION OF SURFACE:**

- Steel surfaces: Must be cleaned of contaminants, corrosion products (rust), and degreased.
- Galvanized and aluminum surfaces: Should be degreased, lightly sanded with fine-grain sandpaper, or subjected to light abrasive blasting, then washed with a 5% ammonia solution and dried..

### **PRIMING OF SURFACE:**

The surface should be primed with one of the following primers depending on the metal type:

- EPOPRIM primer for steel surfaces.
- VL-02 primer for galvanized and aluminum surfaces

Recommended painting systems are shown at Table :

<u>Surface for painting</u>		<u>Primer</u>	<u>Enamel</u>	<u>Painting system</u>
<u>Steel</u>	Used material	EPOPRIM	URETOP 70 URETOP 50	
	Number of layers	1 - 2	1 - 2	2 - 4
	Recommended dry coat thickness	100 – 200 µm	40 – 60 µm	140 – 260 µm
<u>Aluminium or galvanized steel</u>	Used material	VL - 02	URETOP 70 URETOP 50	
	Number of layers	1	1 - 2	2 - 3
	Recommended dry coat thickness	10 µm	50 – 70 µm	60 – 80 µm

### **APPLICATION:**

Apply in 1-2 coats at an air and surface temperature of at least +10°C and a relative humidity of no more than 75%. Intermediate drying between coats – at least 4 hours at +20°C (or 12 hours at +10°C).

Full curing time – 16 hours at +20°C (or 24 hours at +10°C). The coating reaches maximum hardness within 4 days.

### **TOOL CLEANING:**

Use Solvent 2290, 646 or butyl acetate for cleaning of tools.

**ENVIRONMENT AND OCCUPATIONAL SAFETY AND HEALTH PROTECTION:**

Flammable liquid and vapor. Keep away from heat, sparks, open flames, and other ignition sources. May cause an allergic skin reaction and irritation. It is recommended to use protective gloves and clothing. May cause drowsiness or dizziness. Avoid inhaling vapors. Work in a well-ventilated area. Prevent release into the environment. In case of contact with eyes, skin, or if swallowed – take immediate action and seek medical advice. Keep out of reach of children.

For more detailed information, please refer to the Safety Data Sheet (SDS), available upon request.

8÷14 m<sup>2</sup>/l

16 h

Solvent 2290  
or butyl acetate

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](http://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.