

# IZOLEP

epoxy coating  
(TU №2312-050-12288779-2005)



## PRODUCT DESCRIPTION:

IZOLEP is a two-component, solvent-borne, polyamide cured epoxy coating. The mixing ratio is 22 (curing agent):100 (base) by weigh.

## RECOMMENDED USE:

As an anticorrosive protective coating of structural steel in atmospheric conditions of all climatic regions, types of atmosphere, and category of location according to GOST 15150-69.

It is applied as a topcoat in coating systems where UV radiation is not intensive.

It is recommended to be used in the coating systems with ZINEP® (TU 2312-022-12288779-2000), IZOLEP-mio (TU 2312-050-12288779-2005) and other epoxy, polyurethane and ethylsilicate primers.

## CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.015.E.000134.12.10/3 December, 2010.

Technical Recommendations № K-05/06SP 6/1 of Russian Railways OJCL/14 July, 2006.

Accredited laboratory conclusions of NII LKP with OMZ «Victoriya»; OJSC VNIIZHT; OJSC TSNIIS.

## TECHNICAL DATA:

	Coating	
Color		Gray and other colors
Dry film thickness per coat (typical)		80 - 100 microns
Adhesion, GOST 15140-78		1 grade, not more
Impact resistance, GOST 47-65-73		50 cm, not less
Bend test (cylindrical mandrel), GOST R 52740-2007		20 mm, not more
Resistance to dry heat		up to 150 °C
Coating class, GOST 9.032-74		V
	Paint	
Specific gravity		1.30 – 1.50 g/ml
Viscosity		thixotropic
Non-volatile-matter content (Wt)		65.0 – 71.0 %
Calculated coverage		220 - 270 g/m <sup>2</sup> (80 - 100 microns)
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH		6 h, not more
Pot life at (20±2) °C		12 h, not less

## SURFACE PREPARATION:

- Remove oil and grease to achieve degree №2, GOST 9.402-2004;
- The primer surface should be dry and free from all contamination.

## APPLICATION:

- Stir the base thoroughly.
- Add the total contents of curing agent to base (or according to mixing ratio on the label) and continue the mixing until a complete uniform color is achieved.
- Allow an induction time of 30 minutes after mixing curing agent with base before applying
- Add recommended thinner to achieve workable consistency if it is necessary.
- IZOLEP is recommended to be used for shop and field painting at the temperature from +10 °C to +40°C and up to 85% RH.

Recoating intervals of primers by IZOLEP at (20±2) °C:

Primer	Minimum recoating interval*	Maximum recoating interval
ZINEP®	4 h	not limited
IZOLEP-primer	2 h	6 months
IZOLEP-mio	6 h	6 months

\* If dry film thickness of IZOLEP-primer or IZOLEP-mio is more than 100 microns that minimum recoating interval must be increased in twice.

The time of full cure at (20±2) °C is 7 days; the time of package and shipping of coated constructions is 24 ч.

**Airless spray**

Recommended Thinner SOLV-UR (TU 2319-032-12288779-2002)  
or и 646 from 5 % to 8 % by weight  
Nozzle size 0.015 – 0.021" (0.38 – 0.53 mm)  
Nozzle pressure 10 - 15 MPa (100 - 150 bar)

**Air spray**

Recommended Thinner SOLV-UR (TU 2319-032-12288779-2002)  
or и 646 from 5 % to 8 % by weight  
Nozzle size 1.8 – 2.2 mm  
Nozzle pressure 0.3 – 0.4 MPa (3 – 4 bar)

**Brush / Roller**

Recommended Thinner SOLV-UR (TU 2319-032-12288779-2002)  
or и 646 from 5 % to 8 % by weight

**Equipment cleaner**

SOLV-UR or 646

**STORAGE AND HANDLING:**

The base of IZOLEP is packaged in 10l and 1l cans; the curing agent is packaged in 3l and 0.27l cans. Shipping weight is 13kg and 1.2 kg.

Store in dry, shaded conditions away from sources of heat, moisture and ignition, at the temperature from -40 °C to +40°C; GOST 9980.5-2009.

Guaranteed shelf life in the manufacturer's package units is 12 months from the date of packaging.

**SAFETY PRECAUTIONS:**

IZOLEP has the fourth class of hazard, GN 2.2.5.1313-03. It is necessary to follow all local or national safety regulations.



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