

IZOLEP - primer

zinc-phosphate primer
(TU 2312-067-12288779-2008)



PRODUCT DESCRIPTION:

IZOLEP-primer is a two-component, solvent-borne, polyamine cured epoxy primer with modified zinc phosphate as a anticorrosive pigment.

The primer is produced in gray and maroon colors (shade is not standardized).

RECOMMENDED USE:

As a 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 recommended to be applied in coating systems with such topcoats as ISOLEP-mio and ISOLEP (TU 2312-050-12288779-2005), POLYTONE-PUR (UV) (TU 2312-033-12288779-2002), POLYTONE-AK (TU 2313-028-12288779-2002) and POLYTONE-PUR (TU 2312-029-12288779-2002) and other epoxy, polyurethane and acrylic topcoats.

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.015.E.000059.03.11/ 16 March, 2011.
Accredited laboratory conclusions of NII LKP with OMZ «Victoriya».

TECHNICAL DATA:

Finish/Color	Coating	
	Grey	Flat Maroon
Dry film thickness per coat (typical)	60 - 100 micron	
Adhesion, GOST 15140-78	1 grade, not more	
Resistance to dry heat	up to 150 °C	
Impact resistance, GOST 47-65-73	50 sm, not less	
Bend test (cylindrical mandrel), GOST R 52740-2007	25 mm, not more	32 mm, not more
Primer		
Specific gravity	1.40 – 1.70 g/ml	
Non-volatile-matter content (Wt)	77.0 – 83.0 %	
Calculated coverage	140-230 g/m ²	150-250 g/m ²
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH	5 h, not less	
Pot life at (23±2) °C	3 h, not less	

SURFACE PREPARATION:

- Remove oil and grease to achieve degree N^o2, GOST 9.402-2004;
- Blast slag and rust to achieve degree N^o2, GOST 9.402-2004 (Sa 2 1/2 or Sa 2, ISO 8501-1:2007);
- Clean surface carefully from abrasive and dust.

APPLICATION:

- Stir the base thoroughly.
- Add the total contents of curing agent to base (mixing ratio is 100 (base):6,5 (curing agent)) and continue the mixing until a complete uniform color is achieved. IZOPEP-primer has no an induction time.
- Add recommended thinner to achieve workable consistency if it is necessary.

IZOLEP-primer is recommended to be used for shop and field painting at the temperature from 0 °C to +40°C and up to 85% RH.

Temperature of primer must be not less than +15°C.

Drying time depends on temperature, when temperature increases, drying time of the coating decreases.

Recoating intervals of IZOLEP-primer (80 micron) by topcoats at (20±2) °C:

Topcoat	Minimum recoating interval*	Maximum recoating interval
IZOLEP-primer	2 h	6 month
IZOLEP-mio (IZOLEP)	2 h	6 month
POLYTON-UR(UV)	2 h	8 month
POLYTON-AK	1 h	1 month
POLYTON-UR	2 h	8 month

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

Surface preparation of IZOLEP-primer before applying of topcoats:

- Remove oil and grease with suitable detergent;
- Remove salt, chalked coating and other contaminants by (high pressure) fresh water cleaning or sweep blasting;
- Clean damaged areas thoroughly by abrasive blasting or power tool cleaning (minor areas only).

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

Airless spray

Recommended Thinner SOLV-UR (TU 2319-032-12288779-2002), SOLVESSO 100, P-4, 647, P-5, 646 up to 5 % by weight

Nozzle size 0.015" – 0.021" (0.38 – 0.53 mm)

Nozzle pressure 15 MPa (150 bar)

Air spray

Recommended Thinner SOLV-UR (TU 2319-032-12288779-2002), SOLVESSO 100, P-4, 647, P-5, 646 up to 10 % 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), SOLVESSO 100, P-4, 647, P-5, 646 up to 10 % by weight

Equipment cleaner SOLV-UR (TU 2319-032-12288779-2002), SOLVESSO 100, P-4, 647, P-5, 646

STORAGE AND HANDLING:

IZOLEP-primer is packaged in cans by 13kg and 1.5 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:

The primer is fire-hazardous. It is necessary to follow all local or national safety regulations.



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