

ZINOL®-SV

zinc-rich primer
(TU 2313-012-12288779-99)



PRODUCT DESCRIPTION:

ZINOL-SV is a one-component, solvent-borne, zinc-rich thermoplastic primer.

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.

ZINOL is applied as:

- a primer in coating systems;
- a single coating;
- for repairing of zinc coatings.

It is recommended to protect railway freight cars and passenger cars; constructions with one coat of ZINOL-SV can be welded by the resistance spot welding and quality of weld seams does not become worse.

It is recommended to be used in coating systems with ALPOL® (TU 2313-014-12288779-99) and coatings based on alkyd, chlorinated rubber, acrylic and other top-coats.

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.231.П.002088.06.07/28 June, 2007. GOST 12549-2003. Passenger cars of 1520 mm gauge main-line railways. Painting. Specifications;

GOST 7409-2009. Freight cars. Requirements to paint coatings;

TI of applying of high performance coatings under the resistance spot welding in railway freight cars and passenger cars, OJSC VNIIZHT, MPS.

Accredited laboratory conclusions of OJSC VNIIZHT; Certificate of IPEE RAN A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences (Research and Test Centers in Severomorsk and Sochi, Russia; Nha Trang, Vietnam)

TECHNICAL DATA:

	Coating
Color/Finish	Grey/Flat
Dry film thickness per coat (typical)	40 - 60 microns
Content of zinc by weight of dry film	90 %, not less
Impact resistance, GOST 47-65-73	50 sm, not less
Bend test (cylindrical mandrel), GOST R 52740-2007	4 m, not more
Adhesion, GOST 15140-78	1 grade, not more
Resistance to dry heat	up to 150 °C
	Primer
Relative viscosity according to viscosimeter B3-246 with the nozzle diameter 4 mm at the (20±2) °C, GOST 8420-74	25 s, not less
Non-volatile-matter content (Wt)	77.0 – 81.0 %
Specific gravity	2.30 – 2.50 g/ml
Calculated coverage	240 - 360 g/m ²
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °	30 min, not more

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). Power or hand tool clean to the third grade GOST 9.402-2004 (St3/St2, ISO 8501-1:2007) and smooth surface is acceptable.
- Clean the surface carefully from abrasive and dust.

- Every next coat of ZINOL-SV is recommended to be painted after drying of the previous coat up to 'touch-dry';
 - Minimum recoating interval to topcoat is 24 h; for ALPOL is 2 h;
- The curing time to exploit in aggressive, corrosive environments is 7 days. The time of package and shipping of coated constructions is 24 ч.

APPLICATION:

- Stir the primer until a complete uniform color is achieved;
- Add recommended thinner to achieve workable consistency if it is necessary;
- The primer is recommended to use for shop and field painting at the temperature from - 15 °C to +40°C and up to 90% RH.
- Minimum recoating interval to topcoat is 24 h; for ALPOL is 2 h/

Airless spray

Recommended Thinner SOLV-UR® (TU 2319-032-12288779-2002) or Solvesso 100 or P-4, P-5 up to 5 % by weight

Nozzle size 0.015" – 0.021" (0.38 – 0.53 mm)
10 - 20 MPa (100 - 200 bar)

Air spray

Recommended Thinner SOLV-UR® (TU 2319-032-12288779-2002) or Solvesso 100 or P-4, P-5 up to 5 % 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 Solvesso 100 or P-4, P-5 up to 5 % by weight

SOLV-UR® (TU 2319-032-12288779-2002) or Solvesso 100, P-4, P-5, 646, 647, 649.

Equipment cleaner

STORAGE AND HANDLING:

Shipping weight is 25 kg, 7.5 kg, 1.1 kg in cans.

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:

ZINOL-SV has the fourth class of hazard, GOST 12.1007-76. It is necessary to follow all local or national safety regulations.



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