

PRODUCT DESCRIPTION:

ZINOL 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 has good resistance sea and fresh water, salt solutions (pH=6.0-9.0), ethanol and its water solutions.

ZINOL is applied as:

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

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

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.015.E.000167.05.11 / 17 May, 2011.

Construction engineering: Recommendations of Gosstroy R 1-2004, GOST 9.401-91, GOST 31384-2008, MGCN 2.08-01 и MGCN 2.09-03 (TI 12288779.25173.00020), RD GM-01-02 by the Trust Gidromontazh.

Power engineering: certification of JSC FGC UES MBK ФСК ЕЭС (TI 12288779.25073.00045), Register of NK RosNeft OJSC.

Transport engineering: TR № K-05/06 of Russian Railways OJCL/14 July, 2006; TR 5264-853-01393674-07.

Accredited laboratory conclusions of NII LKP with OMZ «Victoriya»; Central Scientific and Research Design Institute n.a. Melnikov; OJSC TSNIIS, NIIAMT FSUE "NAMI", NIIZHB LLC. 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	
Colors/Finish		Grey/Flat
Content of zinc by weight of dry film		95 % - 96 %
Dry film thickness per coat (typical)		30 - 50 microns
Impact resistance, GOST 47-65-73		50 cm, not less
Bend test (cylindrical mandrel), GOST R 52740-2007		5 mm, not more
Resistance to dry heat		up to 150 °C
Adhesion, GOST 15140-78		1 grade, not more
	Primer	
Specific gravity		2.50 – 2.70 g/ml
Relative viscosity according to viscosimeter B3-246 with the nozzle diameter 4 mm at the (20±2) °C, GOST 8420-74		25 c, not less
Non-volatile-matter content (Wt)		77.0 – 80.0 %
Calculated coverage		195 - 325 g/m ²
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C		0.5 ч, not more

SURFACE PREPARATION:

- Remove oil and grease to achieve degree №2, GOST 9.402-2004;
- Blast slag and rust to achieve degree №2, GOST 9.402-2004 (Sa 2 1/2 or Sa 2, ISO 8501-1:2007);
- Clean the surface carefully from abrasive and dust.
- Power or hand tool clean to the third grade GOST 9.402-2004 (St3/St2, ISO 8501-1:2007) to achieve rough surface is acceptable. A flash-rust is acceptable before application.

Remove all loose rust, dirt, oil and grease or other contaminants from the surface.
Don't apply on smooth surface!

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 be used for shop and field painting at the temperature from - 15 °C to +40°C and up to 90% RH.
- Every next coat of ZINOL is recommended to paint 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.

Airless spray

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

Nozzle size

Nozzle pressure

10 - 20 MPa (100 - 200 bar)

Air spray

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

SOLV-UR® or Solvesso 100, 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 has the fourth class of hazard, GOST 12.1007-76. It is necessary to follow all local or national safety regulations.

Coating ZINOL is non-flammable and not toxic; and can be applied indoor.



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