

PRODUCT DESCRIPTION:

ZINOTAN is a one-component, moisture cured, zinc-rich polyurethane 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. ZINOTAN has good resistance to sea and fresh water, salt solutions, petrol and related products.

It is applied as a primer in coating systems or a single coating.

It is recommended to be used as a primer in coating systems with ALUMOTAN (TU 2312-018-12288779-99), POLYTON-UR (TU 2312-029-12288779-2002), POLYTON-UR(UV) (TU 2312-033-12288779-2002), FERROTAN (TU 2312-036-12288779-2003), PULAK (TU 2311-035-12288779-2002), and other coatings based on epoxy, polyurethane, acrylic and vinyl.

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66. 01.40.015.E.000010.01.11/ 28 January, 2011.

Construction engineering: Recommendations of Gosstroy R 1-2004 (SNIP 2.03.11-85), GOST 9.401-91, GOST 31384-2008, RD GM-01-02 by the Trust Gidromontazh, TI 12288779.25173.00020 (NIIZHB LLC).

Transport engineering: STO 001-2006 of Transstroy LLC; TR 12288779.02073.00006, TR 12288779.02073.00007 of OJSC TSNIIS; TU of Russian Railways OJCL (ZPI 6/1) of painting of railway bridges.

Oil & Gas: Register of TR and TT AK Transneft OJSC, Register of Gazprom OJSC, Register and Technological Instruction of NK-Rosneft OJSC (P2-05 C-028 P-002 T-001), STO 03-196-2006 ANK Bashneft.

Accredited laboratory conclusions of: NII LKP with OMZ «Victoriya»; Central Scientific and Research Design Institute n.a. Melnikov; OJSC TSNIIS, VNIIST OJSC, Institute of Power Resources Transport, BashNIPIneft LLC, Gazprom VNIIGAZ LLC, NIIZHB LLC, OJSC VNIIZHT; RusHydro JSC, IPEE RAN A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences (Research and Test Center in Severomorsk and Sochi, Russia; Nha Trang, Vietnam).

TECHNICAL DATA:

	Coating	
Color/Finish		Grey/Flat
Dry film thickness per coat (typical)		40 - 80 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		10 mm, not more
Resistance to dry heat		up to 150 °C
	Primer	
Specific gravity		2.90 – 3.00 g/ml
Viscosity		thixotropic
Non-volatile matter content (Wt)		86.0 – 88.0 %
Calculated coverage		195 - 390 g/m ² (40-80 microns)
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH		2 h, 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.

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 98% RH.

Every next coat of ZINOTAN is recommended to apply after drying of the previous coat up to «touch-dry». ZINOTAN is sensitive to moisture. Keep the can tightly closed until use; avoid long contact with air.

Minimum recoating interval at (20±2) °C and (65±5) % RH to topcoat by FERROTAN, ALUMOTAL, POLYTON-UR and PULAK is 4 h. When air humidity increases, drying time of the coating decreases.

When ZINOTAN is applied in field painting at relative humidity less than 30 % It is recommended to be used the accelerator for polyurethane coatings (TR 2359-047-12288779-2005) for decreasing drying time (in 4-6 times). Contact VMP GROUP for further advice.

The curing time to exploit in aggressive, corrosive environments is 7 days.

Airless spray

Recommended Thinner SOLV-UR (TR 2319-032-12288779-2002) or Solvesso 100 up to 5 % by weight
Nozzle size 0.015 – 0.021" (0.38 – 0.53 mm)
Nozzle pressure 10 - 20 MPa (100 - 200 bar)

Air spray

Recommended Thinner SOLV-UR (TR 2319-032-12288779-2002) or Solvesso 100 up to 5 % by weight
Nozzle size 1.8 – 2.2 mm
Nozzle pressure 0.2 – 0.4 MPa (3 - 4 bar)

Brush/ Roller

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

Equipment cleaner

SOLV-UR, Solvesso 100, P-4, 647

STORAGE AND HANDLING

Shipping weight is 25, 8 and 1.1 kg in metal 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

ZINOTAN has the fourth class of hazard, GOST 12.1.007-76. It is necessary to follow all local or national safety regulations.



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