

PRODUCT DESCRIPTION:

ZINOTERM is a one-component, solvent-born, zinc-rich siloxane heat-resistant coating.
It is produced as ZINOTERM® and ZINOTERM®-2.

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.

ZINOTERM is applied at the temperature up to 350 °C (for short time up to 400 °C) up to 400 °C) as a primer in coating systems with ALUMOTERM® (TU 2312-020-12288779-2001), KO-811K or other heat-resistance organosilicon coatings and as a single coating.

ZINOTERM-2 is recommended to be used as a single coating at temperature up to 400 °C (permanently up to 450 °C).

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.015.E.000053.10.10/ 11 October, 2010 г.

GOST 9.401-91.

Register of Rosneft OJSC, Conclusion of 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	ZINOTERM	ZINOTERM-2
Color/Finish	Grey/Flat	
Dry film thickness per coat (typical)я	30 - 70 microns	30 - 50 microns
Impact resistance, GOST 47-65-73	50 см, не менее	
Adhesion, GOST 15140-78	2 grade, not more	
Paint		
Specific gravity	2.50 – 2.60 g/ml	2.45 – 2.55 g/ml
Non-volatile matter content (Wt)	78 - 81 %	79 - 82 %
Calculated coverage	180 - 420 g/m ² (30 - 70 microns)	155 - 260 g/m ² (30 - 50 microns)
Viscosity	thixotropic	
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C	30 minutes, 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.
Surface preparation of ZINOTERM before topcoating;
- **Ошибка! Ошибка связи.**обезжирить with suitable surface-active substances (pH between 6 to 8);
- Dry and clean the surface carefully from abrasive and dust.

APPLICATION:

Stir the primer until a complete uniform color is achieved.

The primer is recommended to use for shop and field painting at the temperature from - 15 °C to +40°C and up to 85 % RH.

It is recommended to be applied in 1 or 2 coats. Every next coat of ZINOTERM is recommended to be painted after drying of the previous coat up to 'touch-dry'.

Minimum recoating interval to apply ALUTOTERM is 2 h; for other topcoats it is 24 h; maximum recoating interval is unlimited.

Fully curing is reached at high temperature: for ZINOTERM – 3 h at 150 °C; for

ZINOTERM-2 – 45 minutes at 250 °C.

The curing time is 7 days. To exploit in aggressive, corrosive environments it is necessary to cure at high temperature.

Airless spray

Recommended Thinner	not recommended
Nozzle size	0.013 – 0.017" (0.33 – 0.43 мм)
Nozzle pressure	10 MPa (100 bar)

Air spray

Recommended Thinner	Solvesso 100, SOLV-UR (TU 2319-032-12288779-2002) up to 10 % be weight
Nozzle size	1.8 – 2.2 mm
Nozzle pressure	0.20 – 0.25 MPa (2.0 – 2.5 bar)

Brush / Roller

Recommended Thinner	not recommended
<u>Очистка оборудования</u>	Solvesso 100, 646

STORAGE AND HANDLING

Shipping weight is 25 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 6 months from the date of packaging

SAFETY PRECAUTIONS:

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



VMP RESEARCH & PRODUCTION HOLDING JOINT-STOCK COMPANY (VMP GROUP)
105, Amundsen St., **Ekaterinburg**, 620016, Russia, tel./fax.:+7 343 267 94 31; 266 09 15;
E-mail: office@fmp.ru;
WEB: www.coldzinc.ru
Moscow, tel./fax.: +7(495) 955-12-64; 955-12-63; e-mail: svx@fmp.ru
St. Peterburg, tel./fax.: +7(812) 449-48-00; e-mail: spb@fmp.ru
Voronezh, tel.: +7(4732) 20-55-98; e-mail: zamet@comch.ru
Novosibirsk, tel.: +7(383) 205-07-00; e-mail: alex@stroy-nsk.ru