

## 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 <sup>2</sup> (30 - 70 microns)	155 - 260 g/m <sup>2</sup> (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
<b><u>Очистка оборудования</u></b>	Solvesso 100, 646

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## 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

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## SAFETY PRECAUTIONS:

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



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