

ALUMOTERM®

heat-resistance siloxane coating
(TU 2312-020-12288779-2001)



PRODUCT DESCRIPTION:

ALUMOTERM is a one-component, solvent-born, siloxane heat-resistant coating with leafing aluminium pigments.

RECOMMENDED USE:

As a anticorrosive protective coating of structural steel up to 350 °C (for short time up to 400 °C) in atmospheric conditions of all climatic regions, types of atmosphere, and category of location according to GOST 15150-69.

It is applied as a topcoat in coating systems with ZINOTERM (TU 2312-016-12288779-99) or as a single coating.

CERTIFICATES/APPROVALS:

State Registration Certificate No. RU.66.01.40.015.E.000054.10.10 / 11 October, 2010, register of NK-Rosneft OJSC.

TECHNICAL DATA:

	Coating	
Color/Finish		Aluminium/Semi-matt
Dry film thickness per coat (typical)		15 - 30 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		3 mm, not more
Coating class, GOST 9.032-74		IV
Resistance to dry heat		up to 350 °C
	Paint	
Specific gravity		1.0 – 1.1 g/ml
Relative viscosity according to viscosimeter B3-246 with the nozzle diameter 4 mm at the (20±2) °C, GOST 8420-74		14 - 30 s
Non-volatile matter content (Wt)		39 - 44 %
Calculated coverage		60 - 120 g/m ² (15-30 microns)
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C		30 minutes, not more

SURFACE PREPARATION:

Surface preparation of ZINOTERM before applying ALUMOTERM:

- **Ошибка! Ошибка связи.** with suitable surface-active substances (pH should be between 6 to 8). **Do not use organic solvents;**
- Dry and clean the surface carefully from abrasive and dust.
As ALUMOTERM is applied as a single coating:
- 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 thoroughly;
- Add recommended thinner to achieve workable consistency (relative viscosity must be not more than 18 s) 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 85 % RH.

ALUMOTERM is applied in 1 or 2 coats with total thickness not more than 30 microns. Minimum recoating interval of ZINOTERM to apply ALUTOTERM is time up to degree No 3 GOST 19007-73 ("touch-dry"), but not less than 30 minutes.

If total thickness of ALUMOTERM is more than 30 microns that heat-resistance of the coating can reduce.

To obtain fully cured coating it is necessary to keep coated structure at least 3 h at 150 °C. To exploit in aggressive conditions coated structure must be cured at the same temperature.

Airless spray

Recommended Thinner	646, Sollvesso 100 up to 15% by weight
Nozzle size	0.011 – 0.017" (0.28 – 0.43 mm)
Nozzle pressure	10 - 15 MPa (100 - 150 bar)

Air spray

Recommended Thinner	646, Sollvesso 100 up to 15% by weight
Nozzle size	1.8 – 2.2 mm
Nozzle pressure	0.20 – 0.25 MPa (2 – 2.5 бар)

Brush / Roller

Recommended Thinner	646, Sollvesso 100
---------------------	--------------------

Equipment cleaner

646, Sollvesso 100

STORAGE AND HANDLING

Shipping weight is 10 and 0.9 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:

ALUMOTERM 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 HOLDING)
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