

**PRODUCT DESCRIPTION:**

ALPOL is a one-component, thermoplastic topcoat with leafing aluminium pigments.

**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.

It is recommended to be used as:

- A topcoat (1 - 2 coats) with ZINOL® и ZINOL®-SV (TU 2313-012-12288779-99);
- A single coating. (2 - 3 coats).

If ALPOL is applied in the coating system with ZINOL it has resistance to water and has not resistance to petrol and some organic solvents.

**CERTIFICATES/APPROVALS:**

State Registration Certificate No. RU.66.01.40.015.E.000168.05.11 / 17 May, 2011.  
Recommendations of Gosstroy R 1-2004, GOST 9.401-91, certification of JSC FGC UES (TI 12288779.25073.00045), TR № K-05/06 of Russian Railways OJCL/14 July, 2006, TU 5264-853-01393674-07, Register of NK RosNeft OJSC, RD GM-01-02 by the Trust Gidromontazh.

Accredited laboratory conclusions of NII LKP with OMZ «Victoriya»; Central Scientific and Research Design Institute n.a. Melnikov; OJSC TSNIIS, NICIAMT FSUE "NAMI".

**TECHNICAL DATA:**

	<b>Coating</b>	
Color/Finish		Aluminium/Semi-matt
Dry film thickness per coat (typical)		20 – 40 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		2 mm, not more
Resistance to dry heat		up to 150 °C
Coating class, GOST 9.032-74		IV
	<b>Paint</b>	
Specific gravity		0.94 – 0.96 g/ml
Relative viscosity according to viscosimeter B3-246 with the nozzle diameter 4 mm at the (20±2) °C, GOST 8420-74		40 c, not less
Non-volatile-matter content (Wt)		23.0 – 27.0 %
Calculated coverage		130 - 250 g/m <sup>2</sup> (20 – 40 microns)
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (20±2) °C		0,5 h, not more

**SURFACE PREPARATION:**

The primer surface should be dry and free from all contamination.

If ALPOL is applied as a single coating it is necessary to:

- Remove oil and grease to achieve degree №1, GOST 9.402-2004;
- Blast slag, rust and old coating to achieve degree №2, GOST 9.402-2004 (Sa 2 1/2 or Sa 2, ISO 8501-1:2007). For mild exposures, power tool clean SSPC-SP3 is acceptable;
- Clean surface carefully from abrasives and dust.

**APPLICATION:**

- Stir thoroughly;
- Add recommended thinner to achieve workable consistency if it is necessary.

It is recommended to be used for shop and field painting at the temperature from -15 °C to +40°C and up to 90% RH.

Apply ALPOL on ZINOL or ZINOL-SV after their curing and not earlier than 2 h.

Every next coat of ALPOL is recommended to paint after drying of the previous coat up to "touch-dry".

The curing time to exploit in liquids is 7 days; the time of package and shipping of coated constructions is 24 ч.

**Airless spray**

Recommended Thinner	not recommended
Nozzle size	0.015 – 0.021" (0.38 – 0.53 mm)
Nozzle pressure	10 - 15 MPa (100 - 150 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	not recommended
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**Equipment cleaner**

	SOLV-UR® (TU 2319-032-12288779-2002) or Solvesso 100 P-4, P-5, P-10, P-12, 646-650, white-spirit
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**STORAGE AND HANDLING:**

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Shipping weight is 18, 3 and 0.8 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:**

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ALPOL has the fourth 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](mailto:office@fmp.ru);

WEB: [www.coldzinc.ru](http://www.coldzinc.ru)

**Moscow**, tel./fax.: +7(495) 955-12-64; 955-12-63; e-mail: [svx@fmp.ru](mailto:svx@fmp.ru)

**St. Peterburg**, tel./fax.: +7(812) 449-48-00; e-mail: [spb@fmp.ru](mailto:spb@fmp.ru)

**Voronezh**, tel.: +7(4732) 20-55-98; e-mail: [zamet@comch.ru](mailto:zamet@comch.ru)

**Novosibirsk**, tel.: +7(383) 205-07-00; e-mail: [alex@stroy-nsk.ru](mailto:alex@stroy-nsk.ru)