

Description

Single-packed composition based on high molecular weight synthetic polymer and aluminum powder.

Recommended use

Anticorrosive protection of steel articles and structures operated in the atmospheric conditions of all macroclimate areas, types of atmosphere and placement categories according to GOST 15150.

The composition is used on zinc-rich coatings ZINOL and ZINOL-SV (TU 2313-012-12288779-99) as a protective and decorative layer (application in 1-2 layers).

The ALPOL coating is not stable in gasoline and a number of organic thinners.

Certificates, Approvals

Certificate of state registration No. RU.66.01.40.015.E.000077.02.12 dated 28.02.2012.

Decisions of Gosstroy P 1-2004 (in addition to SNiP 2.03.11-85), GOST 9.401-91 (amendment No. 2), NIIMosstroy, Roads and Bridges research institute, Poland; Certification of MVK FGC UES (TI 12288779.25073.00045), Technical Instruction No. K-05/06 of Russian Railways dated 14.07.2006, TU 5264-853-01393674-07 "Foundations on screw piles for supports of the contact network", Register of NK Rosneft JSC, RD GM-01-02 Trest Gidromontazh.

Approved by Central scientific research institute Melnikov Central Research and Design Institute of Steel Structures, Central scientific research institute of construction, Research and Development Center of Automotive Tests, Research Institute of Coating Industry with Experimental Mechanical Plant "Victoria".

Technical data

	Coating
Appearance and color	Homogeneous silvery-gray with shine
Dry film thickness, μm	20-40
Adhesion according to GOST 15140	1 grade, not more than
according to GOST 31149	0 grade, not more than
Impact strength	50 cm, not less than
Flexibility	2 mm, not more than
Heat resistance in air	120 °C
Coating class	IV
	Composition
Density, g/cm^3	0.94-0.96
Viscosity according to viscometer with a nozzle diameter of 4 mm at temperature $(20\pm 2)^\circ\text{C}$, s	50-150
Non-volatile matter content, %	23.0-27.0
Theoretical spreading rate, g/m^2	120-240
Drying time to degree 3 at temperature $(20\pm 2)^\circ\text{C}$ according to GOST 19007-73, h	0.5, not more than

Surface preparation

Priming coat must be cleaned from dust and dirt, degreased with aqueous solutions using detergents (pH of the solution in the range of 6 to 8) and dried. Do not use solvents for degreasing!

Application

- mix the composition thoroughly to homogenous condition before application;
- if necessary, dilute to working viscosity immediately before application;
- during work, the composition should be mixed intermittently.

Apply in factory and field conditions at temperature of minus 25 °C up to plus 40 °C and relative humidity up to 85 %.

ALPOL composition should be applied on the ZINOL or ZINOL-SV primer coating after it has dried, but not earlier than 2 hours after its application.

When applying multilayer coatings, each subsequent application should be applied after the previous one has dried to "tack" (slight touch on the coating does not leave a trace and does not give a feeling of stickiness).

Drying of the coating is natural. The time for complete hardening of the coating and holding time before the start of operation in severe atmosphere is at least 7 days, before the beginning of packaging and transportation - 24 hours.

Airless spray

Recommended thinner	without
Nozzle diameter	0.015-0.021" (0.38-0.53 mm)
Pressure	10-15 MPa (100-150 bar)

Conventional (air) spray

Recommended thinner	SOLV-UR (TU 2319-032-12288779-2002) or solvent (if necessary)
Quantity	up to 5 % by mass
Nozzle diameter	1.8-2.2 mm
Pressure	0.3-0.4 MPa (3-4 bar)

Brush/roller

Recommended thinner	without
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Equipment cleaning

SOLV-UR or solvent

Storage and handling

The composition is delivered in packages: in metal buckets or metal cans.

Storage and transportation conditions of composition – according to GOST 9980.5 (at air temperature from minus 40 °C to plus 40 °C). The container with composition shall be protected from direct sunlight and atmospheric condensation. It is allowed to store containers with a composition for short periods in direct sunlight, but not more than 3 hours.

In case of storage at low temperatures before application, the composition should be kept in warm for a day.

The shelf life of the in hermetically enclosed original container is 24 months starting with the manufacture date.

Precautions

When working with the composition, one shall observe the existing sectoral standard norms and requirements and safety measures as specified on the package label.

Personal protective equipment (goggles, face masks and respirators) shall be used, inhalation of thinners and contact of the composition or its components with skin, ocular mucosa, respiratory channels shall be avoided; use inside the premises is allowed only in case sufficient ventilation is provided.

The composition is classified as a fire-hazardous material.

The information is of general character, without consideration to the object specific nature. Use of materials for other purposes not specified here or in case other influencing factors are present shall be approved by the VMP Holding CJSC in writing. In case of absence of such approval the manufacturer is not held liable for the improper use of the material and the buyer falls from the right to present claims connected with the coating quality.



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