

Description

Double-packed, epoxy-vinyl primer. It has excellent adhesion to steel, zinc-plated and aluminum surfaces.

Recommended use

Anticorrosive protection of new and repairable steel, zinc-plated and aluminum structures used in atmospheric conditions of all macroclimate areas, atmosphere types and placement categories according to GOST 15150. Coating: oil-, gasoline-proof, resistant to oil and petroleum products spills, sea and fresh water, short-term exposure to hot water and steam; exposure to aggressive environments, sudden temperature changes (from minus 60 to plus 60 °C).

Used as:

- primer in complex systems of coatings with VINICOR-62 enamel (TU 20.30.12-001-54359536-2018), as well as with other enamels and primer-enamels on vinyl, vinyl epoxy and chlorinated rubber bases;

- independent coating.

It is allowed to apply a primer on consolidated residual corrosion products and/or old coatings based on alkyd, vinyl, vinyl-epoxy or epoxy materials.

Certificates, Approvals

State registration certificate No. RU.78.01.06.008.E.000564.12.18 dated 11.12.2018.

Oil and gas industry: included into the JSC "Transneft" Register

Transport construction: standards STO-0139367-007-2015 of AO Central Research Institute of Transport Construction, STO 12288779-001-2018 of State Company "Avtodor".

Approved by test centers: All-Union Research Institute for Construction and Operation of Pipelines, Melnikov Central Research and Design Institute of Steel Structures, Research Institute of Coating Industry with Experimental Mechanical Plant "Viktoriya", AOOT All-Union Research Institute Neftekhim, Railway Research Institute, AO Central Research Institute of Transport Construction.

It has a certificate of voluntary certification system of the Russian River Register No. POCC RU.PO00.H00269.

Technical data

Color of coating	Gray, red-brown and other
Appearance of coating	Matt, homogenous
Density of primer, g/cm ³	1.1±0.1
Viscosity according to viscometer with a nozzle diameter 4 mm at temperature (20.0±0.5) °C, s	30-65
Pot life at temperature (20±2) °C, h, not less than	24
Non-volatile matters	
by volume, % (volume)	31±2
by mass, % (mass)	41±3
Drying time to 3 degree (according to GOST 19007) at temperature of (20±2) °C, h, not more than	1
Dry film thickness, µm	30-70
Wet film thickness, µm	100-230
Theoretical spreading rate of one-layer coating, g/m ²	110-255

Surface preparation

Steel surface:

- degrease metal surface to 1 grade according to GOST 9.402;
- minimum: power and hand tool cleaning of rust to 3 or 4 grade according to GOST 9.402 (St 2 according to ISO 8501-1);
- recommended: abrasive blast cleaning from scale, rust and traces of old paint to 2 grade according to GOST 9.402 (Sa 2 ½ according to ISO 8501-1);
- remove dust.

Zinc-plated surface:

- degrease metal surface to 1 grade according to GOST 9.402;
- the surface should have a roughness (if necessary, use polishing paper or a non-metallic abrasive);
- remove dust.

Aluminum surface:

- degrease the metal surface to 1 grade according to GOST 9.402;
- manual or tool cleaning using polishing paper or non-metallic abrasive to create a rough surface;
- remove dust.

Before applying the second layer, the coating shall be dry, clean, oil and dust shall be removed.

Application

- mix base thoroughly to homogenous condition before application;
 - with constant stirring, add a hardener to the base and mix thoroughly.
- The ratio of the base and EN-01 hardener 100:3.1 (by mass).

- if necessary, the composition should be diluted to the working viscosity;

The material is recommended to be applied in the plant and field conditions at a temperature from minus 10 to plus 35 °C and relative air humidity not more than 85 %.

The temperature of the painted surface shall be above the dew point by at least 3 °C.

Prepared primer shall be of temperature at least 15 °C.

The primer is recommended to be applied in 1-2 layers using airless, conventional (air) spray, by brush/roller.

Recommended application methods

Airless spray

Recommended thinner	no thinner
Pressure	15-22 MPa (150-220 bar)
Nozzle diameter	0.015"-0.019" (0.38-0.48 mm)

Conventional (air) spray

Recommended thinner	SOLVIN -10 (TU 20.30.22-014-67503963-2018)
Quantity	up to 5 % by mass
Pressure	0.2-0.4 MPa (2-4 bar)
Nozzle diameter	1.8-2.2 mm

Brush/roller

Recommended thinner	SOLVIN-10
Quantity	up to 5 % by mass

Equipment cleaning

SOLVIN-10,
thinners P4, toluene, xylene

The overlapping interval between the layers of primer at temperature of 20 °C – not less than 3 hours. Drying time depends on the temperature of surface and ambient air, degree of dilution of the material, thickness of coating, efficiency of ventilation and relative air humidity.

Holding time of the coating before operating in aggressive conditions is not less than 7 days at temperature from 15 to 22 °C.

Storage and handling

The material is delivered in packages: base and hardener packed in metal buckets and metal cans respectively depending on the set weight.

Storage conditions of primer components – according to GOST 9980.5 (at temperature from minus 40 to plus 40 °C). The container shall be protected from atmospheric condensation and direct sunlight.

The shelf life is determined by warranty storage of the base (24 months) and hardener (12 months) starting with the manufacture date

Precautions

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

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

The material and its components (base and hardener) are fire-hazardous!

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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