

## Description

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

## Recommended use

Protective and decorative painting of steel, zinc-plated and aluminum structures operating in atmospheric conditions of all macroclimate areas, atmosphere types and placement categories according to GOST 15150. Oil-, gasoline-proof coating is resistant to exposure to aggressive environments, oil and petroleum products spills, sea and fresh water, sudden temperature changes (from minus 60 to plus 60 °C), short-term exposure to hot water and steam.

Used as:

- independent coating;
- finishing coat in complex coating systems with primers VINICOR-marine (TU 20.30.12-004-67503963-2018), VINICOR-ecoprime (TU 2312-002-67503963-2011), ZINEP (TU 20.30.12-022-12288779-2018), ZINOTAN (TU 2312-017-12288779-2003), ZINOL (TU 2313-012-12288779-99), as well as with other epoxy-based primers.

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

## Certificates, Approvals

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

Approved by test centers: Scientific Industrial Holding "Lakokrasprotye"; FSUE "Promethey" as part of a coating system with VINICOR-marine primer (TU 2312 004-67503963-2012).

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

## Technical data

Color of coating	According to RAL
Appearance of coatings	Matt, homogenous
Density of primer-enamel, g/cm <sup>3</sup>	1.1±0.1
Viscosity (GOST 8420) according to viscometer with nozzle diameter 4 mm at temperature (20±0,5)°C, s	40, not less
Pot life at temperature (20±2)°C, h, not less	24
Non-volatile matters	
by volume, % (volume)	33±2
by mass, % (mass)	42±3
Drying time to 3 degree (GOST 19007), at temperature (20.0±2) °C, h, not more than	3
Dry film thickness, µm	50-100
Wet film thickness, µm	150-300
Theoretical spreading rate of one-layer coating, g/m <sup>2</sup>	160-320

## Surface preparation

### **Steel surface:**

- degrease metal surface to 1 grade according to GOST 9.402;
- minimum: power or 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 2½ 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;

- power or hand tool cleaning using polishing paper or non-metallic abrasive to create a rough surface;
  - remove dust.
- Before applying the second layer, the coating must 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 mixing ratio of the base and EN-06 hardener 100:0.84 by mass.

- if necessary, the composition should be diluted to the working viscosity;
- holding time of the prepared material before application is 15-20 minutes, covered with a lid.

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.

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

Recommended application methods:

### **Airless spray**

Recommended thinner	SOLVIN-10 (TU 20.30.22-014-67503963-2018)
Quantity	up to 5 % by mass
Pressure	15-22 MPa (150-220 bar)
Nozzle diameter	0.015"-0.021" (0.38-0.53 mm)

### **Conventional (air) spray**

Recommended thinner	SOLVIN-10
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 of marks P-4, toluene, xylene

The overlapping interval between the layers of primer-enamel at temperature of plus 20 °C – not less than 3 hours. Hardening 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 of (20±2)°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-enamel 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 hardened coating is not harmful to human health.

*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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