

Description

Single-packed vinyl-polyester primer-enamel.

The coating is resistant to short-term contact with sea and fresh water, oil and oil products, mineral salt solutions, detergents.

The material can be applied directly to the metal without prior priming (including residual consolidated rust products).

Coating can be applied at temperatures up to minus 25 °C.

Recommended use

Protective-decorative coating of metal structures used in atmospheric conditions of temperate and cold climate areas and inside industrial facilities.

The material is preferred for painting of fixed and installed structures.

Recommended to be applied as an independent coating. If required, vinyl-epoxy-, vinyl-, alkyd-based enamels may overlap the material.

Application over the previous consolidated polyvinylbutyral-, epoxy-, vinyl-epoxy-, acryl-, urethane-based layers is allowed.

Certificates, Approvals

Certificate of State registration No. RU.77.01.34.015.E.001112.05.15 dated 25.05.2015.

The operational protective and decorative properties of coatings are approved by the testing center of the Research and Manufacturing Association "Lakokraspokrytie".

Technical data

Coating color	gray, white, black, red, yellow, blue, green and other
Coating gloss	matte
Primer-enamel density, g/cm ³	1,2±0,1
Viscosity	Thixotropic
Non-volatile	
- by volume, % vol.	42±3
- by mass, % mass.	60±2
Dry film thickness, µm	50-100
Wet film thickness, µm	120-240
Drying time to 3 degree (GOST 19007) at temperature of (20,0±2)°C, h	3
Theoretical spreading rate of one-layer coating, g/m ²	150-300

Surface preparation

- to degrease metal surface to 1 grade according to GOST 9.402;
- to remove oxides and old paint by abrasive blasting to degree not less than 3 according to GOST 9.402 or not less than Sa 2 according to ISO 8501-1; in hard-to-get-at places and when painting small areas, cleaning to degree not less than St 2 according to ISO 8501-1 using power tool is possible;
- to remove dust.

Before applying the second layer, the coating must be dry, clean and free of oil and dust.

Application

- Before application, mix the material in the shipping container to homogenous condition;
- if necessary dilute to working viscosity with a thinner P-4A (toluene or xylene).

The material shall be applied at a temperature from minus 25 to plus 35 °C (the recommended interval is from minus 15 to plus 25 °C) and the relative air humidity is not more than 85%. The temperature of the surface to be painted must be above the dew point by at least 3 °C, but not above plus 40 °C.

The temperature of the material prepared for application is recommended to hold at least plus 15 °C.

When painting at temperature below 0 °C, the surface to be painted must be free from snow, ice or frost.

It is recommended to apply 1-2 layers.

Airless spray

Recommended thinner	SOLVIN-11 (TU 20.30.22-014-67503963-2018)
Quantity	up to 5 % by mass
Pressure	15-18 MPa (150-180 bar)
Nozzle diameter	0.015"-0.021" (0.38-0.53 mm)

Air spray

Recommended thinner	SOLVIN-11
Quantity	up to 15 % by mass
Pressure	0.2-0.4 (2-4 bar)
Nozzle diameter	1.8-2.2 mm

Brush/roller

Recommended thinner	SOLVIN-11 toluene, xylene
Quantity	up to 15 % by mass

Equipment cleaning

SOLVIN-11, toluene, xylene

Intermediate drying between layers of the primer-enamel at a temperature plus 20 °C is at least 1 hour, at minus 25 °C – not less than 18 hours.

Drying of the coating is natural. The drying time depends on the surface temperature and ambient air, material dilution degree, coating thickness, efficiency of ventilation and relative air humidity.

The holding time of the coating before operation in aggressive conditions is at least 3 days at temperature of plus 15 to 22 °C.

Storage and handling

The primer-enamel is packed in metal buckets.

Storage and transportation conditions of the material – in accordance with GOST 9980.5 (at air temperature from minus 35 to plus 35 °C). The container with the material components shall be stored away from heat sources, protected from atmospheric condensation and direct sunlight.

The shelf life in hermetically enclosed original containers is 12 months from the manufacture date.

Precautions

When working with the primer-enamel, 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 solvents and contact of the primer-enamel with skin, eye mucosa, respiratory channels; use inside the premises is allowed only in case sufficient ventilation is provided.

The primer-enamel 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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