

Description

Single-packed varnish based on a solution of a copolymer of vinyl chloride with vinyl acetate in a mixture of organic solvents.

Recommended use

Generally intended for concrete and mineral surfaces priming, in a complex coating system with VINICOR-62 (TU 20.30.12-001-54359536-2018) enamel, such as bridge structures, industrial facilities, etc., used in the atmospheric conditions of all macroclimate areas, types of atmosphere and placement categories according to GOST 15150.

Certificates, Approvals

State registration certificate No. RU. 77.01.34.008.E.0001113.05.15 dated 25.05.2015

Transport construction: standards STO-01393674-008-2014 of AO Central Research Institute of Transport Construction and STO 12288779-001-2018 of State Company "Avtodor".

Technical data

Color of coating	colorless
Gloss value of coating	matt
Density of varnish, g/cm ³	0.90±0.05
Viscosity (GOST 8402) according to viscometer with nozzle diameter 4 mm at temperature (20±0.5) °C, s	20-50
Non-volatile matters	
by volume, % (volume)	18±1
by mass, % (mass)	20±2
Drying time to 3 degree (GOST 19007), at temperature (20±2)°C, hrs., not more than	2
Dry film thickness, µm	20-40
Wet film thickness, µm	110-225
Theoretical spreading rate of one-layer coating, g/m ²	120-170

Surface preparation

Concrete surface:

The surface prepared for applying varnish coat should be evenly rough, without protruding fittings, cracks, pot-holes, popouts, overlaps, arris spalling, oil stains, dirt and dust.

The operating procedures:

- remove dirt, oil and grease;
- remove lime milk (cement slurry), destroyed or flaking concrete layers and old coatings by abrasive cleaning, grinding machine or brushes;
- remove dust;
- repair crack bridging and spalls.

Holding time of the concrete base after concrete placement before applying the primer should be at least 28 days; after the application of leveling compounds – according to the reference documentation of the compound manufacturer. Surface moisture (in the surface layer 20 mm thick) is not more than 4 %.

Application

Mix the varnish to a homogeneous condition before application

The material is recommended to be applied in the plant and field conditions at temperature from plus 5 to plus 30 °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 varnish prepared for application shall be of temperature at least plus 15 °C.

The varnish 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"- 0.021" (0.38 – 0.53 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 of marks P-4, toluene, xylene

The overlapping interval before the next layer of varnish at temperature of (20±2) °C is not less than 2 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 from 15 to 22 °C.

Storage and handling

The material is packed in metal buckets.

Storage conditions – in accordance with GOST 9980.5 (at temperature from minus 10 to plus 35 °C). The material components shall be stored away from heat sources, the container shall be protected from direct sunlight and atmospheric condensation.

The shelf life of the varnish is 12 months starting with the manufacture date.

Precautions

When working with the varnish, one shall observe the existing sectoral standard norms, 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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