

Description

A two component, fast curing epoxy primer containing zinc phosphate anti-corrosive pigmentation.

Recommended use

As a shopprimer for protection of blast cleaned steel surfaces and other structural steel during the storage and building period.

The coating can be thermally cutting and welded without increasing the porosity of the weld.

It can be overlapped with materials on epoxy, vinyl-epoxy, vinyl-polyester, alkyd, urethane and acrylate bases.

Certificates, Approvals

State registration certificate No. RU.77.01.34.008.E.003093.11.19 dated 29.11.2019.

Certificate of type approval: RUSSIAN MARITIME SHIPPING REGISTER No. 19.09876.120 (protective primer that allows welding to be performed without removing).

Certificate of system of voluntary certification of the Russian River Register № POCC RU.PO00.H00355.

Technical data

Color of coating	Red-brown
Appearance of coatings	matt, homogenous
Density of primer, g/cm ³	1.0±0.1
Pot life at a temperature 20 °C, hours	12, not less than
Non-volatile matters	
- by volume, % (volume)	14±3
- by mass, % (mass)	22±4
Drying time to 3 degree (GOST 19007), at temperature (20±2)°C, min	10, not more than
Dry film thickness, µm	15-25
Wet film thickness, µm	100-160
Theoretical spreading rate of one-layer coating, g/m ²	105-175

Surface preparation

- Degrease metal surface to grade not less than 1 according to GOST 9.402;
- remove scale, corrosion and old paint by abrasive blast cleaning to Sa 2 1/2 according to ISO 8501-1 (2 according to GOST 9.402);
- remove dust.

Application

- Prior to use mix the base thoroughly until smooth;
- While mixing constantly add a curing agent to the base (the ratio is given in the quality certificate and on the container label) and mix thoroughly.

The material is recommended to be applied in the plant and field conditions at temperature from minus 5 to plus 35 °C and relative air humidity not more than 85 %.

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

The primer is recommended to be applied in 1 layer on automated line, or by airless, conventional (air) spray, by brush/roller.

Application procedures

Automated line

Recommended thinner	no thinner
Pressure	10-15 MPa (100-150 bar)
Nozzle diameter	0.011"-0.017" (0,28-0,43 mm)

Airless spray

Recommended thinner	no thinner
Pressure	10-15 MPa (100-150 bar)
Nozzle diameter	0.011" – 0.017" (0,28-0,43 mm)

Conventional (air) spray

Recommended thinner	no thinner
Pressure	0.2-0.4 MPa (2-4 bar)
Nozzle diameter	1.8-2.2 mm

Brush/roller

Recommended thinner	no thinner
---------------------	------------

Equipment cleaning

SOLVIN-10, SOLVIN-15, (TU 20.30.22-014-67503963-2018)

Drying time depends on the temperature of surface and ambient air, thickness of coating, efficiency of ventilation and relative air humidity.

Storage and handling

ISOLEP-SP-03 is supplied as the base in a 20 and curing agent in 0.8 liters metal containers.

Storage conditions – in accordance with GOST 9980.5 (at air temperature from minus 40 to plus 40 °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 primer is 6 months starting with the manufacture date with the right to prolong further storage.

Precautions

When working with the shopprimer, 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 curing agent) are fire-hazardous!

The information is of general character, without consideration to the object specific nature and it is recommended to be read with the Application Guide. Use of materials for other purposes 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.

**VMP RESEARCH & PRODUCTION HOLDING CJSC**

Ekaterinburg +7 (343) 357-30-97; 385-79-00; 385-66-10, office@fmp.ru

Moscow +7 (495) 411-65-03; 411-65-04, msk@fmp.ru

Saint Petersburg +7 (812) 640-55-20, spb@fmp.ru

For representation offices of the "VMP" in Russia and abroad: vmp-holding.com