

Description

Single-packed top coat, which is a suspension of pigments and fillers in a solution of vinyl-chloride, chlorinated rubber and acrylic resins

Recommended use

Used as a top protective and decorative coat for the PLAMCOR-2 fire protection intumescent coat (TS 2313-074-12288779-2008) in systems of metal structures protection against corrosion and fire in atmospheric conditions of macroclimate areas of temperate and temperate cold climate, I and II atmospheric types according to GOST 15150 and indoors. The coat does not stop the bloating of the PLAMCOR-2 fire-proof composition.

Recommended dry coating thickness:

- 100-120 µm for protection against the influence of climatic factors of the PLAMCOR-2 coat when operating in the open air;
- 40-80 µm to impart decorative properties to the PLAMCOR-2 coats when operating indoors.

The coat PLAMCOR-2 + POLYTON-HV is not recommended for use in particularly aggressive conditions (long-term high humidity, corrosive gases).

Certificates, Approvals

State registration certificate No. RU.66.01.40.015.E.000054.04.15 dated 02.04.2015.

Technical data

Appearance	homogeneous
Color	according to RAL
Dry film thickness, µm	40 - 80
Theoretical consumption per one-layer coating with thickness of 40 -80 µm, g/m ²	135 - 270
Density, g/cm ³	1.26 - 1.32 g/cm ³
Viscosity	thixotropic
Solids	
- by volume, %	40±2
- by mass, %	57.0 - 62.0
Fineness of grind, µm	60, not more than
Drying time to 3 degree (GOST 19007), at (20±2) °C and relative humidity (65±5) %	2 hours, not more than

Surface preparation

The surface of the fire protection coat PLAMCOR-2 must be clean, dry and free from defects. The temperature of the surface to be painted must at least 3 °C higher than the dew point.

Application

- Prior to use mix thoroughly until smooth;
- Dilute with white-spirit (oil solvent-C4-155/200) by 15 % by mass.

POLYTON-HV is recommended to be applied at ambient temperature from 0 to plus 40 °C and relative humidity not more than 80 %, it is allowed to be applied at temperature from minus 15 °C.

Overlapping interval of PLAMCOR-2 coat by POLYTON-HV at (20±2) °C and relative air humidity (65±5)% should not be less than 4 days.

It is recommended to apply 1 or 2 layers of POLYTON-HV depending on the operating conditions, while controlling the wet film thickness and usage rate:

- 200 - 270 g/m² (theoretical) for the coating thickness of 60 - 80 µm (per 1 layer);
- 335 - 403 g/m² (theoretical) for the coating thickness of 100 - 120 µm (per 2 layers).

Application methods:

Airless spray

Recommended thinner	SOLV-UR® (TS 2319-032-12288779-2002) white spirit (nefras-C4-155/200)*
Quantity	15 % by mass
Nozzle diameter	0.017"-0.021" (0.43-0.53 mm)
Pressure	20-30 MPa (200-300 bar)

Brush/roller

Recommended thinner	SOLV-UR®, white spirit (nefras -C4-155/200)
Quantity	15 % by mass

Equipment cleaning

petroleum solvent, thinners R-4, R-5, R-12 and R-24.

* white-spirit is recommended to be applied at 20 °C and above and with intensive ventilation for reducing thinner evaporation from the coating and preventing film formation on its surface.

Drying of the POLYTON-HV coat is natural, as the ambient temperature increases, the drying time of the coat shortens.

The subsequent layer of POLYTON-HV (when applying the thickness of 100-120 µm per 2 layers) should be applied no earlier than 2 hours after the application of the previous layer (at (20±2)°C).

The time for through dry of the coat is 7 days.

Storage and handling

The POLYTON-HV I is supplied in metal containers.

Storage conditions – in accordance with GOST 9980.5 (at air temperature from minus 40 to plus 40 °C). The container shall be protected from lasting direct sunlight and atmospheric condensation.

The shelf life of POLYTON-HV in hermetically enclosed original container is 12 months starting with the manufacture date.

Precautions

When working with POLYTON-HV, 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.

POLYTON-HV is classified as a fire-hazardous material.

The information is of general character, without consideration to the object specific nature and it is recommended to be read with the Operating Procedure. 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.



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