

PLAMCOR®-1

bloating fireproof paint
(TU 2316-082-12288779-2011)



Description

Vinyl acetate water-dispersed paint with gas-and-foam-forming fillers, agents and pigments.

The fire retarding properties of the coating PLAMCOR-1 are supported by the fire test results and Fire Safety Certificates issued by the accredited certification authorities and test centers according to the established legal procedure.

Recommended use

Fire protection of metal structures of industrial and commercial construction objects, welfare buildings and equipment exposed to the moderately cold and cold weather, I and II atmosphere types, location categories 3 and 4 according to GOST 15150-69 at relative air humidity not exceeding 85 %.

The coat is not water-resistant.

It is used as finishing coat or undercoat in the integrated protective coating systems PLAMCOR intended for protection of metal structures from corrosion and fire. It is applied onto the ground coatings ZINOTAN (TU 2312-017-12288779-2003), ZINEP (TU 20.30.12-022-12288779-2018), ZFES (TU 20.30.12-004-12288779-2017), VINICOR-061 (TU 20.30.12-001-543595536-2018) and GF-021 with layer thickness of 40-80 mcm, other types of primers may be used only if agreed upon with the manufacturer of the paint.

Acrylic enamel and other types of enamels may be used as the finishing coat (as agreed upon with the manufacturer).

Use of other paint products in the protective coating systems is allowed only if approved by the VMP Holding.

Fire rating of the coat with metal thickness of 3.4 mm is:

- 45 minutes – coat thickness of 0.75 mm;
- 60 minutes- coat thickness of 1.2 mm

Fire rating of the coat with metal thickness of 5.8 mm is 90 minutes with coat thickness of 1.50 mm.

Certification

State registration certificate RU.66.01.40.015.E.000260.07.11 dated 28.07.2011;

Conformity certificates No. C-RU.PB34.V.00557 dd. 17.05.2011. No. S-RU.PB34.V.00907 dd. 04.05.2012 and No. S-RU.PB34.V.01359 dd. 21.11.2013 (mandatory certification).

Technical data

	Coat
Appearance	Homogeneous
Color	White, the hue is not standardized, toning with light tints: pink, yellow, green, blue and grey is possible
Dry film thickness per coat (typical)	
- airless spray	200-350 µm
- brush/roller	400-800 µm
Intumescent coefficient	10 times, not less
	Paint
Non-volatile matter content,%, by mass	65-69 %
Expense rate for one-layer coat of thickness 200-350 µm	320-560 g/m ²
Drying time to 3 degree (GOST 19007-73) at a temperature of (20±2)°C and relative air humidity (65±5)%	4 h, not more

Specified state of the surface

Primer coating shall be cleaned from dirt, dust and decreased, shall be free from moisture and shall not have any corrosive degradation, flaking off and cracking.

Application

- prior to use mix thoroughly until homogeneous;
 - if required prior to application dilute with water until working consistency;
- Apply at temperatures from plus 5 to plus 40 °C and relative air humidity of up to 85 %.

The coat is not water resistant – so in the course of application one shall rule out the possibility of moistening (including condensate)!

Holding period of the primer coating prior to application of paint PLAMCOR-1 shall be not less than 24 hours.

The paint is applied in 1-4 layers depending on the fire rating requirements and metal thickness; holding time for interlayers – not less than 12 hours at a temperature of (20±2)°C.

Natural atmospheric drying. The time of complete drying is not less than 3 days (72 hours).

The coat PLAMCOR-1 is easy to resurface.

If necessary, 1 or 2 layers (thickness 50-80 mcm) of finishing enamel may be applied onto the fire-proof coating. Holding time between application of the last layer of the fire-proof paint and application of the finishing enamel shall be not less than 24 hours.

Airless spray

Nozzle diameter	0.019"-0.021" (0.48-0.53 mm)
Pressure	not less than 20 MPa (200 b)
Recommended thinner	water
Quantity of thinner	up to 10 % by mass

Brush/roller

Recommended thinner	water
Quantity of thinner	up to 10 % by mass

Equipment cleaning

water

Storage and handling

Packing: plastic buckets.

Storage and transportation of the paint are carried out in accordance with GOST 9980.5-2009 (ambient temperature from plus 5 to plus 40 °C). During storage avoid direct sunlight and precipitation.

The shelf life in air-tight original manufacturer's containers is 12 months from the date of manufacture.

Precautions

When using paint one shall observe the respective industry-specific regulations and norms.

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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