Anticorrosion primer PF-010M



Specification

It contains a corrosion inhibitor, which prevents corrosion progress. It has good adhesive properties to the base surface and to the coats, which will be applied over the primer. It significantly lessens enamel consumption and prolongs the period of paint coating life. It can be applied directly on corrosion if the layer of corrosion doesn't increase 100 microns.

Sphere of application

It is intended for protection against corrosion of all kinds of metal surfaces (constructional metal structures, tubes, outer surfaces of water tanks, garages, details of vehicles and apparatuses, farming machinery, racks, gates, etc.), and also wooden surfaces for further application of alkyd and oily paints. It is intended for the surfaces indoors and outdoors.

Technical data

Consumption standard of 1 layer	60-100 g/m^2, depending on the method of application and type of surface.
Solvent	thinner TM DekART or odorless thinner TM Maxima, up to 10% of the total primer weight.
Application	Apply with a brush, a roller or a spraying gun.
Drying period (23 °C, 50% RH)	max 8 hours. Drying period increases if the temperature is getting down and relative air humidity is getting higher.
Solids content (DSTU ISO 3251)	78±2%
Density (DSTU ISO 2811-1)	1,46±0,05 g/sm^3
Hardness (DSTU ISO 1522)	more than 30 sec, Konig pendulum
Non-volatile matter by volume (DSTU ISO 3233)	> 50 %
Warranty period	12 months from the date of manufacturing.
Packaging	0,9 kg, 2,8 kg
Color	red brown, grey, black.
Gloss	matt.

Composition

Alkyd varnish, pigments, fillers, thinner, additives.

Application instruction

The condition for receiving a desired result is following directions for using the paint product and preparing the surface.

1 Surface preparation

The treated surface must be dry and thoroughly cleaned of dust, dirt, and grease. Old coatings existing on the surface and loose layers must be removed to the hard base surface mechanically (a scratcher, a wire brush), thermally (a hot air blower, infrared radiation), or chemically (paint removal solutions).
Polish wooden surfaces manually or with mechanical equipment. Remove abrasive dust after polishing. If there are resin deposits on the surface of the wood, they must be removed mechanically (with a spatula or a scratcher). If wood is infected with blue stain, mould or fungi, you must remove infected parts mechanically and then treat the wood with antiseptics for wood TM Farbex. Equalize surface defects with plaster TM Farbex. Polish and dust off the plastered surface. Wood humidity before priming must be less than 20%. To improve the general properties of the coating, we recommend treating the wood with alkyd wood protective primer TM Delfi and TM Maxima before applying primer GP-021.
Treat metal surfaces manually with mechanical equipment (minimum St2 level), or with abrasive jet cleaning (minimum Sa2½) according to DSTU ISO 8501-1. Degrease the surface with thinner TM DekArt or odorless thinner TM Maxima.

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2 Applying

Before you use a primer, stir the product to a homogeneous condition. Filter the product if necessary and dilute with thinner TM DekArt or odorless thinner TM Maxima to working viscosity (abnormal dilution spoils the product's resistance to runs and slows hardening). To provide optimal properties, prime the surface in 2 coats. Apply a subsequent coat no earlier than 24 hours. Carry out work at an air and surface temperature from +10 ºC to +35 ºC and relative air humidity less than 80% (the temperature must be 3 degrees higher than dew point). Provide appropriate ventilation during application and drying. Remember! Wooden surfaces are porous; therefore, consumption and the number of coats may increase. When you work with large areas and/or for a long period, you must stir the primer from time to time. We do not recommend keeping containers open for a long period. Do not apply the primer under direct sunlight, strong wind, or precipitation. The coating must not be affected by precipitation after the coating has been applied before you apply a finishing product.

Anticorrosion primer PF-010M can be applied by following methods:

Method of application	Quantity of thinner	Jet size	Pressure
Airless spraying	0 – 10 %	0.015" - 0.017"	15 MPa (≈ 150 bar)
Pneumatic spraying	0 – 10 %	1,7 – 1,8 mm	0,3 – 0,5 MPa (≈ 3-5 bar)
A brush / a roller	0 – 5 %	-	-

The instrument must be recommended for solvent-based products.

If you carry out application with a roller, use a cuvette for homogeneous wetting of the products. It is not recommended for foam resin rollers.

When using spraying instruments, follow the instructions for exploitation.

For a quality coating, you should obtain painting skills, especially if you use a professional instrument.

Thickness of one layer of coating with different consumption

Consumption	60 g/m^2	80 g/m^2	100 g/m^2
Thickness of dry film	24±2 µm	32±2 µm	40±2 µm
Thickness of wet film	40 µm	50-55 µm	60-65 µm
Application rate (weight and volume)	25 m^2/l	19 m^2/l	15 m^2/l
	16,7 m^2/kg	12,5 m^2/kg	10 m^2/kg

Compatibility with other coatings

Depending on the conditions of exploitation, you can use it with different primers and finishing coatings. The examples are stated below. For precise information, call the specialists of company POLYSAN.

Previous coating – we recommend applying the product on a clean surface.

Subsequent coating – we recommend applying alkyd solvent-based products and water-based products.

We recommend testing the compatibility of products on a small area of the surface.

3 Tool cleaning

Clean the tools with a thinner and then, if necessary, with water and detergent.

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SAFETY

Keep away from fire! Store in tightly closed original containers at the temperature from -20 °C till + 40 °C. Keep out from moisture and direct sunlight distantly from food in the places out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). Well-arranged ventilation shall be provided during application and 48 hours after works if it is indoors. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. VOC content: cat. A/i (SB): < 500 g/l. Actual VOC content ≤ 400 g/l. It doesn't contain lead and lead compounds. More detailed information you can read in the safety data sheet. The product has a sanitary-epidemical conclusion of the state expertise.

ENVIRONMENTAL PROTECTION

Do not empty into drains, ponds and in soil! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of TU U 24.3-14005076-069:2006. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. Applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

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