

Universal paint-primer

Specification

- it significantly simplifies the application and structuring of decorative structure products
- it hardens the base surface and has high adhesion
- it is water-resistant and vapor-permeable



Sphere of application

It is intended for the primary treatment of base surfaces to harden them and improve adhesive properties, and also to simplify the application of decorative structured paints and stuccos indoors and outdoors. It is recommended for application on plastered surfaces, brick, concrete, and gypsum surfaces, chip wood board, MDF, gypsum board, plywood.

Technical data

Consumption standard of 1 layer	0,25-0,3 kg/m ²
Thinner	Water. Paint-primer is ready to use and needs no diluting.
Application	It is applied with a brush.
Drying period (23 °C, 50% RH)	< 3 hours. The drying time increases if the temperature is getting down and relative air humidity is increasing.
Solids content (DSTU ISO 3251)	61±2 %
Density (DSTU ISO 2811-1)	≈ 1,52 g/cm ³
Gloss (DSTU ISO 2813)	Not defined
Dry film thickness	Equal to the size of grain, ab. 0,5 mm, for single layer of coating (> 400 microns, E _s , DSTU EN 1062-1)
Particle size	maximal 500 microns, (hard-grained, < 1500 microns, S _s , DSTU EN 1062-1)
Vapor permeability (EN ISO 7783-2)	more than 100 g/(m ² *day), (medium, >15 - ≤150 g/(m ² *day), V ₂ , DSTU EN 1062-1)
Water permeability (DSTU EN 1062-3)	maximal 0,2 kg/(m ² *h ^{0,5}), (medium, >0,1 - ≤0,5 kg/(m ² *h ^{0,5}), W ₂ , DSTU EN 1062-1)
Marking acc. to the DSTU EN 1062-1	G ₀ E ₃ S ₃ V ₂ W ₂ A ₀ C ₀
Warranty period	24 months
Packaging	1,4 kg, 4,2 kg, 7 kg, 14 kg
Color	white (base A).

Composition

Acrylic dispersion, water, pigments, extenders, quartz sand, additives.

Tinting

It is tinted manually with pigment concentrate Farbex color, other waterborne pigment pastes, or in a tinting machine according to NCS color rate, etc.

We recommend tinting the paint primer in the same color (or a close match) with a finishing coat.

After tinting, insignificant deviations in technical data for the product are allowed.



Application instruction

The key to achieving the desired paint finish is following the instructions for applying the paint and preparing the surface.

1 Preliminary preparation

The surface is prepared according to DSTU-N B A.3.1-23:2013 and DSTU-N B B.2.6-212:2016.

The surface must be dry – the humidity of the surface on all stages of preparation and paint works must be less than 5% for cement and cement-sand surfaces and less than 1% for gypsum ones.

The surface must be clean from chalk and lime whitewashings, grease and oily stains, and other contaminations, efflorescence, dust (including abrasive dust after polishing plasters and stuccos), old paint products and wallpapers (which stick to the surface not secure), polymer adhesives, and runs of construction mortars or composites.

Mineral surfaces must be hard, without fragile parts or edges. The base materials like plaster, stucco, insulating or adhesive elements must be completely dry and be ready for priming and coating with acrylic water-based products.

Parts of the surface infected with mould or fungi must be removed: first mechanically and then treated with antiseptic for mineral surfaces TM Farbex.

Remove contaminations, infections, old coatings, or fragile parts with a wire brush, a spatula, a scratcher or with a polisher.

Correct appeared defects with Plaster TM Farbex (depending on the character of the defects).

Existing metal elements in the base surface or those that will be used after painting must be made of galvanized or stainless steel. When you use iron elements, they must be initially protected against corrosion with special primers or other products.

Check the compatibility of the products on a small area following technical recommendations or specialists' consultation before you use other products (an adhesive, an antiseptic, a plaster, etc.).

Follow the directions precisely (especially drying period and subsequent treatment) when further priming and painting construction mortars or products. For example, fresh cement plasters must not be treated for 28 days, fresh concrete - 3 months, the surfaces of insulating systems - 7 days.

2 Priming

Providing maximum exploitation resistance and better decorative effect, depending on the type of surface, it must be primed:

Wooden porous surfaces – with acrylic wood-protective primer TM Maxima. Attention! The primer raises the wood fibers, which is why the surface must be polished before applying the paint.

Mineral surfaces – with acrylic deep-penetrating primer TM Farbex.

Hard types of OSB, wood chip boards, fiber boards, wallpapers, hard old paint coatings need no priming before applying the paint.

Take into account recommendations about priming construction mortars or products. If necessary, call the specialists of POLYSAN.

3 Applying

The paint-primer is ready to use and needs no dilution. Stir the paint thoroughly before use.

The consumption of paint-primer on porous and rough surfaces can be higher. The precise consumption is determined by a test application on a small area on the surface.

We recommend continuously applying in one direction with the same consumption. When you carry out an application on a large area and/or during a long period, we recommend stirring the paint-primer from time to time. We do not recommend keeping the container with the product open for a long period.

Carry out the application at the temperature of the air and the surface from + 5 °C until +35 °C and relative air humidity less than 80 %. Do not apply the paint under direct sunlight, strong wind, frost and precipitation.

Remember! Mineral surfaces are porous, and the consumption of the product can increase.

After application, the coating shall not be affected by precipitation or subzero temperatures for 24 hours.

Carry out subsequent works after 24 hours.

The tools must be recommended for water-based products.

For a quality coating, you must obtain painting skills.

During façade works, we recommend using façade tents and scaffolding.

Compatibility with other coatings

Depending on the exploitation conditions, it can be used with different primers and finishing coatings and primers. The examples are stated further. Call the specialists of POLYSAN to receive more detailed recommendations.

Previous coating – acrylic water-based products. Subsequent coating – acrylic water-based products or, mineral plasters.

Compatibility of products is recommended for testing on a small area of the surface.

4 Tool cleaning

After finishing the work. Wash the tools with water, don't let them dry. The rest of the dry paint can be removed mechanically.



 **SAFETY**

Do not mix with other products and (or) organic solvents! Keep in tightly closed original containers at the temperature from +5 °C till +35 °C. Keep out of moisture, direct sunlight, frost and out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). If application is indoors well-arranged ventilation shall be provided. 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/c (WB): < 40 g/l. Actual VOC content ≤ 20 g/l. More detailed information you can read in the safety data sheet. The product has a sanitary-epidemiological 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 – 32318370-002:2006. 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.

