Acrylic structure stucco "Lamb"



Specification

It is ready to use. It creates a weather-resistant coating with low water permeability, resistance to mechanic load and aggressive nature affects. It is vapor permeable, flexible, has high adhesion to many kinds of surfaces. It can cover small cracks. It is easy to use and to form a structure.

Sphere of application

It is intended for finishing coating with "lamb" texture on porous and gas concrete surfaces, mineral stuccos, gypsum panels, concrete, gypsum surfaces, insulating systems, walls made of stone, asbestos cement indoors and outdoors. It is recommended for coating of the surfaces with high operational load and for insulation systems of facades.

Technical data

Consumption standard of 1 layer	2,5-2,9 kg/m^2
Thinner	Water. Allowed dilution is up to 1% of the total mass of the product if manual application and up to 5% if machine application.
Application	Apply with a stainless steel spatula or trowel, form the texture with a plastic trowel..Machine application is allowed.
Drying period (23 °C, 50% RH)	ab. 2 hours ("tack free"). The surface shall not be affected with precipitation or sub-zero temperature during 24 hours. Complete drying of the surface is in 3 days.. Drying period increases when the temperature falls, relative air humidity increases and depends on the consumption of the plaster (thickness of the coating).
Solids content (DSTU ISO 3251)	83±2 %
Density (DSTU ISO 2811-1)	≈ 1,93 g/cm^3
Gloss (DSTU ISO 2813)	Not defined, not defined, G_0, DSTU EN 1062-1)
Dry film thickness	Meets grain-size of ≈ 1,5 mm, for single layer of coat (> 400 microns, E_5, DSTU EN 1062-1)
Particle size	maximum 1500 microns, (hard-grained, < 1500 microns, S_3, 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)	maximum 0,1 kg/(m^2*$h^{0.5}$), (low, < 0,1 kg/(m^2*$h^{0.5}$), W_3, DSTU EN 1062-1)
Marking acc. to the DSTU EN 1062-1	G_0|E_5|S_3|V_2|W_3|A_0|C_0
Non-volatile matter by volume (DSTU ISO 3233)	67±2 %
Warranty period	18 months, (at the temperature from +5 °C till +35 °C)
Packaging	18 kg, 25 kg
Color	white (base A).

Composition

Acrylic dispersion, pigments, water, fillers, additives.

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Tinting

It is tinted manually with pigment concentrate Farbex Color and other water-based tinting pastes or in a tinting machine according to NCS color rate, etc. The colors meet smooth coatings with certain gloss depending on the catalog; plaster “lamb” is a rough and textured coating; therefore, the color of the product will be close to the catalog color rate. If you tint the plaster with other tinting products, machines, or catalogs, you must take into account their suitability for exterior work and textured products, and conduct trial tinting and application with texturing.
We recommend using the product from one batch to avoid color deviations (as with the plaster, so with the pigment).

Use the tinted product of the same batch also for the joint surfaces. In case using the product of different batches, you must mix them.

You must make a trial application and texturing on a small area of the surface to check the correspondence of tinting in the chosen color.

We do not recommend diluting tinted plaster. Minor deviations in product technical data are possible after tinting.

A piece of advice: when you choose a color, take into account lighting in the premise, lighting and disposition to the sun of façade elements and their texture. Warm or cold light of inner lighting, and also façade elements in shadows, inclined surfaces, period of day, which will provide a different perception of the same color.

Application instruction

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

When the primer gets dry, and before applying the plaster, you must apply a coat of paint primer with quartz filler TM Farbex. The quartz primer must be tinted in the color of decorative plaster. For difficult base surfaces (see the sphere of application) apply a coat of adhesive primer Beton-kontakt TM Farbex. The adhesive primer must be tinted in the color of the decorative plaster.

3 Applying

Before applying the putty, make sure that the surface is dry enough after preparation. Stir thoroughly with a mixer pod and drill before use.

Apply the plaster in 1 coat.

Apply the plaster at a temperature of the air and the surface from +5 °C to +35 °C and relative air humidity less than 80%. Do not apply

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the plaster under direct sunlight, strong wind, subzero temperature, and precipitation. After application, the surface must not be affected with precipitations or subzero temperatures during 24 hours. After 3 days, the coating can resist intensive loading, and it becomes fully hard in 28 days.

When you apply the plaster on large areas and/or for a long period, we recommend stirring it from time to time. We do not recommend keeping the container with the product open.**Acrylic textured plaster "Lamb" can be applied by following methods:**

Method of application	Quantity of diluent	Jet size	Pressure
Pneumatic spraying/hopper sprayer	Maximum 5 %	Minimum 6 mm	0,3–0,4 MPa (≈ 3-4 bar)
Manual application	Maximum 1 %	-	-

The tools must be recommended for water-based products.

When you apply by a spraying method, follow the instructions for exploitation. In case you apply the plaster with a machine, the use of texturing tools is not obligatory.

When you apply the plaster with a trowel or a stainless steel spatula. Remove extra material from the surface precisely after application, making the thickness of the coat a grain size, and evenly texturing it with a plastic trowel. Depending on the style of application movements (circle, wave-like, etc.), you can receive various patterns on the surface.

When you apply the plaster manually, we recommend application by two persons, because working on one surface "from edge to edge" or within decorative elements, you must do it contentiously using the method "wet on wet". Carry out texturing by the same method, the same tool on the whole surface without letting it dry on the edge of applying product.

For a quality coating, you must obtain painting skills, especially if you use a professional instrument. During façade works, we recommend using façade tents and scaffolding.

Compatibility with other coatings

Depending on the conditions of exploitation, the putty can be used with various finishing coatings. The examples of compatibility are given below. For more precise recommendations, call the specialist of POLYSAN company.

A previous coat – we recommend applying acrylic water-based products.

A subsequent coat – acrylic water-based products.

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

4 Tool cleaning

Clean tools with water after application. Do not let them dry. Dry product shall be removed from the tools in mechanical way.

SAFETY

Do not mix with other products and/or organic solvents! Keep out of reach of children in tightly closed original containers at a temperature from +5 °C to +35 °C. Keep out of moisture, direct sunlight, and frost. 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 occurs, wash thoroughly with soap and water. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. VOC content: cat. A/l (WB):< 200 g/l. Actual VOC content ≤ 60 g/l. More detailed information can be found 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 testing and practical experience. Quality of materials completely meets the demands of TS U 20.3-32318370-013:2013. As a manufacturer, the company isn't responsible for the damage caused by the wrong application of the product. Applicability of the product for specific purposes shall be defined entirely by a consumer. Current information loses validity with the issuing of a new edition.

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