Latex paint for exterior and interior "Mattlatex"



Specification

It provides increased hardness and abrasing resistance of the coated surface. It is resistant to intensive repeated washing (resistance to wet abrasion - 1st class according to DSTU EN 13300). It is resistant to weathering and moisture. It provides high surface permeability (according to DSTU EN 1062). It creates a matt finishing coat that completely allows the walls "to breathe". It effectively covers microcracks of the coated surface. It has a high application rate. It is easy to apply. It does not run and spill during application.

Sphere of application

It is intended for coating mineral surfaces (plaster, brick, concrete), gypsum and wooden surfaces, wallpapers, and fiberglass, and also for building facades. It is recommended for coating of walls and ceilings in dry and wet premises with high exploitation load and also for surfaces which must be highly wearproof and washable (offices and living premises, hotels, restaurants, shops, medical and educational establishments, public buildings). It can be used for coating facades of living, industrial, administrative, commercial, storage, and other buildings.

Technical data

Consumption standard of 1 layer	120-150 g/m^2. Depending on the way of application and the type of surface.
Thinner	Water. It is allowed diluting maximum 10 % of the total weight of the product
Application	It is applied with a roller, a brush or a spraying gun.
Drying period (23 °C, 50% RH)	maximum 1 hour. Drying period increases if the temperature falls and the relative air humidity raises and depends on the consumption of the paint (thickness of the coat).
Color base	A, TR. It is shaded according to NCS color range.
Solids content (DSTU ISO 3251)	60±2 % (base A), 53±2 % (base TR)
Density (DSTU ISO 2811-1)	≈ 1,54 g/cm^3 (base A), ≈ 1,39 g/cm^3 (base TR)
Gloss (DSTU ISO 2813)	Maximum 5 GU at 85° (matt, G_3, DSTU EN 1062-1)
Dry film thickness	50-100 micron, (E_2, DSTU EN 1062-1)
Particle size	maximum 30 microns, (fine-grained, S_1, DSTU EN 1062-1)

Water permeability (DSTU EN 1062-3)	maximum 1,0 kg/(m^2*h$^{0.5}$), (high, W_1, DSTU EN 1062-1)
Vapor permeability (EN ISO 7783-2)	minimum 150 g/(m^2*day), (high, V_1, DSTU EN 1062-1)
Marking acc. to the DSTU EN 1062-1	G_3|E_2|S_1|V_1|W_1|A_0|C_0
Contrast ratio of dry film (ISO 6504-3)	min. 98 %, 2 class of hiding power (acc. to DSTU EN 13300)
Wet-scrub resistance, microns (DSTU ISO 11998)	< 5 (after 200 cycles)
Wet-scrub resistance class (DSTU EN 13300)	1
Warranty period	24 months
Packaging	Base A - 1,4 kg, 4,2 kg, 7 kg, 14 kg Base TR - 1,2 kg, 3,6 kg, 6 kg, 12 kg,
Color	base TR, white (base A).
Gloss	matt.

Composition

Acrylic latex, pigments, water, extenders, additives.

MC «POLYSAN» LTD
Ukraine, Sumy, I.Piddubnoho str. 25
tel./fax: +38 (0542) 650 621
www.farbex.ua

Tinting

The product is manufactured in following bases:

Base A. It is intended for use as a white finishing coating or for tinting in pastel, light colors.

Base TR. It is intended for tinting in saturated colors.

Base TR cannot be used without tinting.

It is tinted manually using pigment concentrate Farbex Color, other water-based tinting pastes, or with tinting machines according to the color catalog NCS and others. If you tint with other products, tinting machines, or catalogs, you must take into account their suitability for exterior works, silicone products, and carry out test tinting and application.

We recommend using the product of the same batch (the paint and the colorant) for coating the surfaces to avoid differences in color shades. Use the product of the same batch for the surfaces that join each other. In case you use the product of different batches, it is necessary to mix them.

Carry out a test application on a small area to check that the color corresponds to the chosen one. We do not recommend diluting the product for a finish coating. After tinting, insignificant deviations of product technical data are possible.

A hint: When you choose a color, take into account the lighting in the premises and the location of facade elements according to the sun and their construction. Cold or warm lights indoors, elements in shadow, inclined surfaces, elements with different roughness, the period of daylight 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 Surface 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

Before applying the paint, make sure that the surface is dry enough after preparation.

The paint is ready to use. Stir the paint thoroughly before use. Filter it and dilute with water if necessary. Abnormal dilution spoils the quality of the coating!

Apply the paint in 1-2 coats. Apply a subsequent coat when the previous one is fully dry, but not before 2 hours. Very porous, rough, or highly contrasted surfaces demand more coats of the paint and consumption. 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. Carry out the application "from edge to edge (from

MC «POLYSAN» LTD
Ukraine, Sumy, I.Piddubnoho str. 25
tel./fax: +38 (0542) 650 621
www.farbex.ua

corner to corner)" or within the limits of the decorative element without breaks. When you carry out an application on a large area and/or during a long period, we recommend stirring the paint from time to time. We do not recommend keeping the container with the paint 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. After application, the coating shall not be affected by precipitation or subzero temperatures for 12 hours. The coating obtains complete hardness and resistance to mechanical load after 28 days.

Latex paint for interior and exterior works Mattlatex can be applied by following methods:

Method of application	Quantity of diluent	Jet size	Pressure
Airless spraying	0 – 10 %	0.019" - 0.023"	15 - 18 MPa (≈ 150 - 180 bar)
Pneumatic spraying	0 – 10 %	2,0 – 2,5 mm	0,4 – 0,5 MPa (≈ 4-5 bar)
A brush / a roller	0 – 5 %	-	-

The tools must be recommended for water-based products.

When you apply with a roller, we recommend using a cuvette for homogeneous wetting the tool. Attention! For a smoother coating, we recommend using a roller with a short nap.

When you apply with by a spraying method, follow the instructions for exploitation. Airless spraying is more preferable. The reason is that when you use pneumatic spraying, you have to dilute the product, and often diluting can be on the maximum recommended limit, which can occur, lessening the thickness of the coating and creating runs.

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 exploitation conditions, it can be used with different primers and finishing coatings. 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.

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

4 Tool cleaning

Clean tools with water after application. Do not let them dry. Remove dry rests of the paint 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/a (WB): < 30 g/l. Actual VOC content ≤ 15 g/l. 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 24.3-2318370-001:2006. 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.

MC «POLYSAN» LTD
Ukraine, Sumy, I.Piddubnoho str. 25
tel./fax: +38 (0542) 650 621
www.farbex.ua