Latex paint "MEGALATEX"

Specification

Matt. It hides defects perfectly on the surface. It creates a hard coat on the surface, resistant to repeated washing with disinfectors (1 class acc. to DSTU EN 13300). It provides perfect coverage. It doesn't hinder "breathing" of the surface (high level of vapor permeability acc. to DSTU EN 1062). It is easy to apply. It doesn't run and splash during coating. It is tinted manually with concentrated pigment "Farbex Color", other waterborne tinting pastes and with tinting machines acc. to the color rate of NCS and others.

Sphere of application

For interior and exterior works. Matt latex paint is intended for coating of walls and ceilings in premises, which are under high exploitation load: sports compexes, trade and recreating establishments, administrative offices, public places, educational establishments, medical and living premises. It is also good for coating of facades of buildings for various purposes.

It is not intended for coating of floors, doors and furniture!

SURFACES: Mineral surfaces: plaster, stucco, brick, concrete, gypsum; wooden surfaces; wallpapers and fiberglass.

Technical data

Consumption standard of 1 layer	110-150 g/m^2. Depending on the way of application and type of the surface.
Thinner	Water. Maximal dilution of 10 % of the total weight is allowed.
Application	Apply with a roller, a brush or a spraying gun.
Drying period (23 °C, 50% RH)	1 hour. Drying period increases when the temperature is getting lower and relative air humidity is getting higher.
Color base	A, TR. It is shaded according to NCS color range.
Solids content (DSTU ISO 3251)	63±2 % (base A), 53±2 % (base TR)
Density (DSTU ISO 2811-1)	≈ 1,58 g/cm^3(base A), ≈ 1,36 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)
The degree of milling (SSU ISO 1524)	maximum 30 micron, (fine-grained, S_1|, DSTU EN 1062-1)
Vapor permeability (EN ISO 7783-2)	minimum 150 g/(m^2*day), (high, V_1|, DSTU EN 1062-1)
Water permeability (DSTU EN 1062-3)	less than 0,5 kg/(m2*hour 0,5), (medium, W2, DSTU EN 1062-1)
Marking acc. to the DSTU EN 1062-1	G_3|E_2|S_1|V_1|W_2|A_0|C_0
Contrast ratio of dry film (ISO 6504-3)	> 98 % - 2 class (cons. 9.3 m^2/l ≈ 170 g/m^2) > 99.5 % - 1 class (cons. 4.2 m^2/l ≈ 380 g/m^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	36 months, (at the temperature from +5 °C till +35 °C)
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, extenders, water, additives.

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Tinting

The paint is tinted manually with a pigment concentrate Farbex Color, other water-based pastes or with the help of a color machine according to NCS color rate and others.

It is intended for application as the only coating of white color or tinting in pastel, light shades and colors of medium saturation.

It is recommended to use the paint of one batch for application to avoid differences in shades of color. In the case of using the paint of different batches, it is necessary to mix them.

If check the correspondence of tinting to the chosen color, make a trial coating of a small area of the surface.

Diluting of colored paint is not recommended for the finishing coat.

A piece of advice: When you choose color, take into account the lighting of the premise. Yellow and white light shall also give different color perceptions of the same color.

Application instruction

The condition of obtaining a desired result of coating is following directions for the surface preparation and paint product application.

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 Plater 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 be not treated for 28 days, fresh concrete - 3 months, the surfaces of insulating systems - 7 days.

2 Priming

To provide maximum exploitative resistance and better decorative effect, depending on the type, the surface must be primed:

Wooden porous surfaces - acrylic wood-protecting primer TM Maxima. Attention! The primer pushes up the timber fibers, so you must polish the surface and then apply the paint.

Mineral surfaces - primer-concentrate 1:10 Aqua Primer TM Maxima. Depending on the type of surface, dilute the primer according to the directions.

Dense types, OSB, chipboards, fiberboards, wallpapers, hard old paint coatings need no preliminary priming before coating. It is necessary to take into account the hints according to the priming of construction mortars or products. If necessary, consult the specialists of POLYSAN.

3 Applying

Before applying the paint, make sure that the surface is dry enough after preparation. 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 in 2 hours. On extra porous, rough, or very contrasted surfaces, the quantity of coats and consumption of paint can increase. The precise consumption can be determined by a test coating on a small area. The coating must be continuous and in one direction with the same consumption of the product. We recommend applying "from edge to edge" (from corner to corner) or within the limits of decorative elements without breaks. Applying the paint on a large area and/or during a long period, do not keep the container with the paint open. Carry out painting at the temperature of the air and the surface from + 10 °C to + 35 °C and relative air humidity less than 80%. Do not apply paint under direct sunlight, strong wind, frost and precipitation. The coating shall not be affected by precipitations during 12 hours after application. The coating achieves complete hardness and resistance to mechanical loading after 28 days.

Latex paint MEGALATEX can be applied in these ways:

Way of application	The 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 мм	0,4 – 0,5 MPa (≈ 4-5 bar)

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A brush / a roller	0 – 5 %	-	-

Tools must be recommended for water-based products.

If you apply with a roller, we recommend using a cuvette for homogeneous wetting of the tool. Attention! For a smoother coating, we recommend using the rollers with a shorter nap.

When you use instruments for the spraying application method, you should follow instruction for exploitation. We recommend using airless spraying for this method. The pneumatic spraying demands diluting the paint with water, and its quantity is often at the maximum recommended level, so it can couse lessening of the thickness of the coating or the creation of runs.

For a quality coating, you have to achieve painting skills, especially if you use professional instruments.

Carrying out exterior (façade) works, we recommend doing it under “the tent for facades and construction platforms (scaffolding)”.

Compatibility with other coatings

Depending on the terms of exploitation, the paint can be used with different primers and finishing coatings. The examples of compatibility are dwelt on below. If you need more precise recommendations, ask the specialists of POLYSAN.

Previous coat – acrylic water-based products. Subsequent coat – acrylic water-based products. We recommend testing product compatibility on a small area of the surface.

4 Tool cleaning

Wash the tools thoroughly with water. Don't let them dry.

SAFETY

Do not mix with other products and (or) organic diluents! Keep in tightly closed containers of the manufacturer at a temperature from + 5 °C to + 35 °C. Keep away from moisture, direct sunlight, and frost in places out of reach of children. Use individual safety gear (special clothes, rubber gloves, a respirator, and goggles) while working. Applying the paint indoors provides necessary effective ventilation. If skin contact, wash it thoroughly with water and soap. If eye contact, rinse it with plenty of running water. If necessary, call the doctor. It does not contain lead and its compounds. VOC content: cat. A/a (WB): < 30 g/l. Actual VOC content is ≤ 15 g/l. More detailed information is in the MSDS. The product has Conclusion of the state sanitary and epidemiological examination.

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 24.3-32318370-001:2006. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. The 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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