Quick-drying Primer Enamel



Specification

It is one-component, quickly-drying primer enamel. It is resistant to UV radiation and weather effects. It contains anticorrosion additives, which provide reliable protection of metal surfaces. It has good adhesion to the surface.

Sphere of application

It is intended for anticorrosion protection and decorative coating of metal surfaces (industrial metal constructions, technological equipment, agricultural machinery, engines, bridges, road fencing and alike), as well as for wooden, concrete and other surfaces outdoors and indoors.

Technical data

Consumption standard of 1 layer	70-100 g/m^2, depending on the way of application and type of surface.
Thinner	Universal thinner TM Maxima, 10% maximum from the mass of the primer enamel. ATTENTION! Do not use white-spirit, solvent or others similar products.
Application	Apply with a brush, a roller or a spraying gun.
Drying period (23 °C, 50% RH)	1 hour. Drying period increases if the temperature is getting down and relative air humidity is getting higher.
Solids content (DSTU ISO 3251)	54±2% (Dark green, Green). 56±2% (Black, Graphite, Gray, Blue, Cherry, Red, Orange). 58±2 % (Matte Black, Matte Graphite, Matte Gray, Matte Khaki). 60±2% (white, yellow, dark brown).
Non-volatile matter by volume (DSTU ISO 3233)	48±2% (Black, Matte Black, Graphite, Matte Graphite, Matte Gray, Matte Khaki, Blue, Dark Green, Green, Cherry). 50±2% (White, Yellow, Dark Brown, Red, Orange, Gray).
Density (DSTU ISO 2811-1)	1,02-1,06 г/см^3 (Black, Dark Green, Green, Cherry, Red, Orange). 1,06-1,11 г/см^3 (Black Matte, Graphite, Matte Graphite, Gray, Gray Matte, Khaki Matte, Blue, Dark Brown, Yellow). ≈ 1,15 г/см^3 (White)
Gloss (DSTU ISO 2813)	ab. 80 GU(at 60°)
Hardness (DSTU ISO 1522)	≈ 45 sec., Konig pendulum.
VOC content (ISO 11890)	430±20 г/л (White, Yellow, Red, Orange). 460±30 г/л (Black, Matte Black, Graphite, Gray, Blue, Dark Green, Green, Dark Brown, Cherry).
Warranty period	24 months from the date of manufacturing.
Packaging	0,75 kg, 2,5 kg
Color	white, cherry, graphite, yellow, green, red, orange, grey, dark blue, dark green, dark brown, black.
Gloss	glossy, matt.

Composition

Modified alkyd resin, pigments, thinner, corrosion inhibitor, additives.

Application instruction

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1 Surface preparation

It is recommended to dry the surface and thoroughly clean it from dust, grease and rests of salt and other dirt for more quality coating on the surface.

Clean metal surfaces shall be treated with sandpaper for better adhesion. After that remove abrasion dust and degrease with a thinner.

Previously coated metal surfaces shall be cleaned in mechanical (with a scratcher or wire brush), thermal (with a hot air fan, IR radiation), or chemical (products for paint removal) way. The surface shall also be thoroughly cleaned from salt depositions and other dirt with a

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wire brush or rough sandpaper. After that remove abrasive dust and degrease with a thinner.

Previously coated wooden surfaces shall be cleaned from loose paint products in mechanical (with a scraper, a wire brush), thermal (with a hot air fan, IR radiation) or chemical (products for paint removal) way, treat with sandpaper. Abrasive dust shall be removed.

2 Priming

Metal surfaces need no advanced undercoating.

Wooden surfaces shall be undercoated with alkyd wood protective primer TM Maxima. Make sure that the wooden surface is clean and completely dry before applying the primer.

The undercoated concrete surfaces shall be primed with a mix of primer-enamel and Universal thinner TM Maxima in ratio of 1:1.

3 Application

Stir the primer-enamel thoroughly before use.

Apply primer-enamel in 2 layers to obtaining optimal coating properties. Apply each next layer no later than after 1 hour.

Perform application at the temperature of air and the surface from +10 °C till +25 °C and relative air humidity less than 80%.

Do not apply the primer-enamel under direct sunlight, strong wind and precipitation. Applied coat shall not be affected with precipitation during 24 hours. Complete hardening and achieving of its properties shall be in 14 hours.

4 Tool cleaning

Clean tools with a thinner and then with warm water with detergents if necessary.

SAFETY

Keep away from fire! Keep in tightly closed original containers at the temperature from -20 °C till + 40 °C. Keep out of moisture, direct sunlight and food. Keep in the places out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). Provide well-arranged ventilation of the space if the application is indoors and 48 hours after coating. 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 ≤ 499 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 soil. Rests of the dry primer-enamel shall be recycled as common construction waste according to 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 24.3-32318370-006:2007. 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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