



TIKKURILA

METALLISTA 2-IN-1

DIRECT-TO-METAL ACRYLIC PAINT / SEMI-MATT

DESCRIPTION

Water-borne direct-to-metal paint for different types of metal surfaces such as galvanized steel, stainless steel, aluminium and previously alkyd or acrylate painted surfaces. Doesn't require primer. Provides good anti-corrosion properties, mechanical resistance and durability against weather conditions.

RECOMMENDED USES

Metal details, fences, furnitures, gates, garage equipment, shelves, railings.

PRODUCT FEATURES

Semi-matt anti corrosive paint for outdoor and indoor use. This water borne 2 in 1 direct-to-metal paint forms a flexible, decorative and protective coating that is resistant to weather conditions.



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TECHNICAL DATA	
Base paints	A BASE, C BASE
Colour Shades	Color cards: Facade 760 colour collection, Deco Grey colour card, Symphony Color System
Gloss	Semi-matt.
Coverage	3.5-7 m ² /l (60 -120 µm dry film)
Can sizes	A BASE: 0.225 l, 0.9 l, 2.7 l, 9 l C BASE: 0.225 l, 0.9 l, 2.7 l, 9 l
Thinner	Do not use thinner. Waterborne product.
Application method	Brush or spray. Airless spray: Nozzle 0.011–0.015" or 0.280–0.380 mm – thinning 0–10%
Drying time	Dust dry after 2 hours. Recoatable after 6h. Note: Full resistance and hardness product achieves after 14 days of application when temperature is about 20°C and RH about 50%. Lower temperature and higher humidity can prelongate time of full resistance.
Density (kg/l)	Approx. 1.1 kg/l, ISO 2811.
Volume solids (%)	40
VOC	EU VOC limit value (cat A/i) 140g/l. Metallista 2-in-1 contains VOC max. 140 g/l.
Storage	Protect from frost.

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APPLICATION INSTRUCTIONS

Application conditions

The surface to be painted must be dry and warmer than the surrounding air and at least 3 degrees warmer than dew point in surrounding climate, the temperature at least + 10°C and the relative humidity of the air below 80%. The temperature of the painted surface may not exceed +40 °C, or the water in the product will evaporate too quickly, forming pores on the painted surface, weakening adhesion, raising blisters, etc. Plan the exterior painting so that the evening dew will not wet the surface when it is drying. Do not paint exterior surfaces if there is a high chance of rain.

Surface preparation

PREVIOUSLY PAINTED SURFACES:

Wash the surfaces with Panssaripesu detergent and a brush, rinse carefully with water and allow to dry. Check old paint surfaces adhesion and remove any loose paint and rust with a scraper and wire brush to the bare metal (preparation grade St2). Grind the border between the cleaned area and solid paint smooth to ensure the adhesion of the paint. Sand to a matte finish of the old painted surfaces. Suitable for old alkyd and acrylate paint surfaces.

UNPAINTED SURFACES:

Remove any water-soluble white rust inhibiting agents, dirt, water-soluble salts, greases and oils from the surface with Panssaripesu detergent and a brush. Rinse thoroughly with water and allow to dry. Remove white rust/rust by grinding or wire brushing steel surfaces to the bare metal (preparation grade St2).

Steel surfaces: Remove rust by grinding or wire brushing steel surfaces to the bare metal (preparation grade St2). To achieve C2H corrosion class protection, the surface must be blast cleaned to grade Sa2½. (ISO 8501-1).

Hot dip galvanized surfaces: Roughen the surface by hand abrading.

Aluminium surfaces: Wash with MAALIPESU detergent and roughen the surface by hand abrading.

Stainless steel: Roughen the surface by grinding.

Painting

Stir paint carefully and slowly before use. Avoid mechanical stirring. Apply 1-2 coats with brush or spray. Avoid painting in hot sun light, because the paint dries too quickly and does not stabilize enough. The painted surfaces must be handled with care, because the paint will achieve its final hardness and durability in approx. 14 days under normal conditions.

The recommended dry-film thickness of a single coat is 60–120 µm and the total dry-film thickness is 120 µm. Pay attention to the angles and folds on metal surfaces, as the dry film thickness should stay uniform on these parts.

Cleaning of tools

Clean tools with water or Tikkurila Pensselipesu (Tool Cleaner).

Maintenance instructions

Handle the painted surface with care, as the product reaches its final hardness and durability in about two weeks under normal conditions. If a surface needs cleaning soon after treatment, use a soft brush, a damp cloth or a mop. After one month from painting, a dirty surface can be cleaned with Talon Huoltipesu (mix 1 part of Talon Huoltipesu with 10 parts of water). Clean stains and very dirty surfaces with a stronger Talon Huoltipesu solution (1:1). After washing, rinse the surfaces and allow to dry.

Maintenance treatment

Surfaces painted with Metallista 2-in-1 can be maintenance painted with a similar type of paint. See pretreatment.

Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.



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Health and Safety

Harmful to aquatic life with long lasting effects. Avoid release to the environment. Wear protective gloves. Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol, 3-aminopropyltriethoxysilane, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)) and benzothiazole-2-thiol. May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: 1,2-benzisothiazol-3(2H)-one (BIT) and C(M)IT/MIT (3:1).

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.