



TIKKURILA

ISOXYDE

MATT DIRECT-TO-METAL PAINT FOR METAL ROOFS**DESCRIPTION**

Hydrophobic water-borne thick layer paint based on a combination of acrylic and styrene polymers. Contains anti-corrosion agents.

RECOMMENDED USES Roofs and metal structures.

PRODUCT FEATURES Suitable for iron, aluminum, zinc, galvanized surfaces, plastisol plates, polyester and alkyd surfaces. Can be used without a primer. Not suitable for maintenance painting of PVDF treated roofs. The product is also suitable for maintenance painting of metal surfaces painted with solventborne or waterborne metal roof paints. Can be used without a primer.

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.

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TECHNICAL DATA

Colour Shades	Ready made shades: Anthracite Dark Grey, Anthracite Grey, Black, Light Grey, Dark Brown, Oxide Red and Tile red.
Gloss	Matt.
Coverage	5 m ² /l (200 µm wet film/80 µm dry film). If the substrate is in a good condition and only needs a touch up, 1 layer is sufficient. Otherwise apply two layers with total coverage of 2,5 m ² /l, (400 µm wet film/ 160 µm dry film). The practical spreading rate depends on application method, form and surface of the material.
Can sizes	10 l
Application method	Brush, roller or airless spray, nozzles 19 – 21, 180 - 220 bar.
Drying time	The drying time for wet layer thickness 200 µm: Touch dry after ~3 hours. Recoatable after min. 6 hours. Fully cured after ~48 hours. The drying time and time for recoating depend on layer thickness, temperature, relative air humidity, and air circulation
Density (kg/l)	1,21 - 1,25 kg/l (depending on colour)
Volume solids (%)	41
VOC	(cat A/d) 130 g/l (2010) Isoxyde contains VOC max. 130 g/l
Storage	Protect from frost. Close can carefully for next use.

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APPLICATION INSTRUCTIONS

Application conditions

The temperature must be between +8° C and +30° C and relative humidity below 85 % RH.

Surface preparation

New surfaces:

If Isoxyde is used on galvanized steel, the surface must be cleaned from white rust, dirt, salt, grease and oil with Panssaripesu cleaning agent by using brush. Rinse carefully with water and let dry. Remove from the surface possible rest of white rust/rust by sanding or by metal brush (cleaning degree St2). Aluminium surfaces must be roughened before painting. Prime corroded surfaces with Rostex Super or Rostex Super Akva. The surface must be clean, dry, and stabile.

New zinc-coated sheet metal roofs should be painted after one winter at the earliest. New surfaces can also be painted immediately, but then the surfaces must be roughened mechanically or chemically before painting. The best adhesion will be achieved on a mechanically or chemically roughened zinc-coated surface that has been dimmed by the weather.

Previously painted surfaces:

Clean previously painted surfaces thoroughly with Tikkurila Panssaripesu and hot water so that all dirt, grease and loose paint is removed. If Isoxyde is used on galvanized steel, the surface must be cleaned from white rust, dirt, salt, grease and oil with Panssaripesu cleaning agent by using brush. Rinse carefully with water and let dry. Remove from the surface possible rest of white rust/rust by sanding or by metal brush (cleaning degree St2). Aluminium surfaces must be roughened before painting. Prime corroded surfaces with Rostex Super or Rostex Super Akva. The surface must be clean, dry, and stabile.

Priming

Clean previously painted surfaces thoroughly with Tikkurila Panssaripesu and hot water so that all dirt and grease is removed. If Isoxyde is used on galvanized steel, the surface must be sanded and cleaned before application. The surface must be clean, dry, and durable.

Application

Stir Isoxyde well before use. Apply with a brush, roller or airless spray (nozzles 19 – 21, 180 - 220 bar). To ensure the optimum film thickness apply the paint in two layers. Use unthinned. The viscosity may be adjusted downwards when thinning with max. 5 % water. Always make a test coat to ensure the compatibility of product and surface.

Cleaning of tools

Clean tools with water immediately after use. Remove as much paint as possible from painting tools before cleaning.

Maintenance instructions

After one month from painting, a dirty surface can be cleaned with Huoltopesu (mix 1 part of Huoltopesu with 10 parts of water). Clean stains and very dirty surfaces with a stronger Huoltopesu solution (1:1). After washing, rinse with water and let dry.

Environmental protection and waste disposal

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

Wear protective gloves. Safety data sheet available on request. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains 3-aminopropyltriethoxysilane, 1,2-benzisothiazol-3(2H)-one (BIT) and 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)). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: 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)).

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