

MIRANOL

DATA SHEET

01/01/2004

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DESCRIPTION

Universal full-gloss mild-odour thixotropic alkyd enamel paint for use on interior and exterior wood and metal substrates. Offers excellent impact and abrasion resistance. Miranol is easy to apply, does not sag and levels well.

EXAMPLES OF USE

Doors, windows, furniture, boats, machines, bicycles, signboards, etc. Miranol can be used for re-painting surfaces previously coated with alkyd or acid catalysed paints.

TECHNICAL DATA

Solids Volume: approx. 50%  
Density: 0.95-1.3 kg/l, depending upon the colour.  
Scrub Resistance: Good (DIN 53778)  
Chemical Resistance: Good (ISO 2812-1)  
Heat Resistance: 120°C (ISO 3248). Light shades may yellow slightly at high temperatures.  
Base paints: A and C

Colour Range

Tikkurila Miranol, and most colours from the Tikkurila Professional Colour Collections, plus most of the British Standard, RAL and NCS Colour Ranges.

SPECIFICATIONS

Preparation

Surfaces must be clean, dry, and free from grease, dirt, oil, wax, rust, all loose material and surface contamination. Use recommended Tikkurila products for mould removal and cleaning. Treat knots and resinous areas with Tikkurila Knotting Lacquer. Use suitable Tikkurila fillers for filling cracks, nail holes, blemishes, etc. Ensure that existing glossy, gloss painted and filled surfaces are thoroughly flattened down. Ensure that all surfaces are thoroughly prepared prior to priming and painting.

Priming

Prime new bare wood overall and if necessary spot prime all bare areas on previously painted wood with Unica Adhesion Primer or Otex. Prime all bare metal and potential rust spots with Unica Metal Primer or Rostex Super.

APPLICATION

Methods: brush, short pile roller or spray.  
For airless spray: use a 0.009"-0.013" (0.230-0.330 mm) spray tip and thin by up to 20% with Spray Thinner 1032.  
For conventional spray: use a 1.4-1.8 mm fluid nozzle and thin by up to 35% with Spray Thinner 1032.  
Note: When applying Miranol by spray the dry paint film should not exceed 40µm.

Painting Conditions

All surfaces to be painted must be dry, the temperature of the air at least +5°C, and the relative humidity of the air below 80%.

Painting

Stir the paint thoroughly and apply one or two coats of Miranol depending upon the condition of the substrate and possible colour change. Always apply two coats onto surfaces which have only been primed.

Coverage

12-14 m<sup>2</sup>/litre per coat for metal surfaces. Wet-film thickness approximately 70-80 µm per coat, dry film approximately 35-40 µm per coat. 10-12 m<sup>2</sup>/litre per coat for wooden surfaces. Wet-film thickness approximately 80-100 µm per coat, dry-film approximately 30-40 µm per coat. The above should only be used as a guide as actual spreading rates will depend upon many factors including texture, porosity and application method.

Drying Times

At 23°C and 50% relative humidity of the air: normally touch-dry after 3-4 hours and recoatable after 24 hours. Low temperatures and high humidity will prolong drying times.

Cleaning of Tools

Clean immediately after use with white spirit.

PREVENT ENVIRONMENTAL DAMAGE

Empty cans should be recycled or disposed of in accordance with local regulations. Liquid waste should be destroyed according to the local regulations for hazardous waste.

HEALTH AND SAFETY CLASSIFICATION according to EC Directive 99/45/EC

Contains: Naphtha (hydrotreated heavy), methylethylketoxime and cobalt octoate.  
Flammable. May produce an allergic reaction.  
A material safety data sheet is available on request.

TRANSPORT

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The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

Manufacturer: TIKKURILA PAINTS OY, PO Box 53, 01301 Vantaa, Finland.

