

UNICA

## DATA SHEET

01/01/2004

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## DESCRIPTION

Universal special alkyd enamel paint for use on interior and exterior wood, metal, fiberglass and plastic substrates.

## EXAMPLES OF USE

Doors, windows, furniture, machines, signboards, etc., and above waterline on boats. Unica Semi-Gloss Enamel can be used for repainting surfaces previously coated with alkyd or acid catalysed paints.

## TECHNICAL DATA

Solids Volume: approx. 42%  
 Density: 0.9-1.2 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/Unica, most colours from Tikkurila Professional and Façade 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. Due to the various qualities of plastic the effect of solvent and adhesion of the paint should be tested prior to painting the whole surface.

## 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 (DIN 18-25 s).

Note: When applying Unica Semi-Gloss Enamel by spray the dry paint film should not exceed 40 µm.

## 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 Unica Semi-Gloss Enamel depending upon the condition of the substrate and possible colour change. Always apply two coats onto bare plastic substrates and surfaces which have only been primed.

## Coverage

10-12 m²/litre per coat for smooth wooden surfaces. 12-14 m²/litre per coat for metal and plastic surfaces. Wet-film thickness approximately 70-80 µm per coat, dry film approximately 35-40 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 method of application.

## Drying Times

At 23°C and 50% relative humidity of the air: normally touch-dry after 7½ hours and recoatable after 16 hours. Low temperatures and high humidity will make drying times longer.

## Cleaning of Tools

Clean tools 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 (hydrodesulfurized heavy), and methylethylketoxime.  
 Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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 data 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.

## Call Centre

Tikkurila Paints Call Centre in the UK - tel.: (+44) 0131 334 4999

