

HELMİ High Performance

DATA SHEET

01/01/2004

CI/efB		Vu3

DESCRIPTION

Gloss or semi-matt, low-odour waterborne acrylate paint for use on interior substrates. Helmi Decorative Paint can be used on a wide range of interior surfaces, and dries to an attractive gloss or semi-matt finish which is hard wearing and easily cleaned. Helmi Decorative Paint will resist cleaning detergents and weak solvents.

EXAMPLES OF USE

Interior wood, paneling, doors, furniture, walls, MDF, etc. Helmi can also be used on primed metal and for repainting interior surfaces previously coated with waterborne, alkyd or acid-catalysed paints.

TECHNICAL DATA

Solids volume: approx. 33%  
Density: approx. 1,2 kg/l  
Scrub resistance: >5 000 cycles (DIN 53778)  
Chemical resistance: Good (ISO 2812-1)  
Base paints: A and C  
Classification of Finishing Materials: M1

Colour Range

Available in white and the complete Tikkurila Professional Colour Collection, 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 as cleaning agents and for mould removal. Treat knots and resinous areas with Tikkurila Knotting Lacquer. Use recommended Tikkurila fillers for filling cracks, nail holes, blemishes, etc., and leveling of uneven surfaces. 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. Note: Discoloration of paint, especially noticeable within light colours, may occur over knots and resinous areas present in the wood. Particular attention with regards to preparation should be given to wood such as oak, teak, cedar, douglas fir, mahogany and idigbo, etc., which contain oil and water-soluble tannin which may impair the drying, hardening or adhesion of surface coatings and discolour the finished surface.

Priming

Prime bare interior wood overall and, if necessary, spot prime all bare areas on previously painted surfaces with Helmi Primer, Unica Adhesion Primer or Otex. Unica Adhesion Primer or Otex is preferable on wood that contains substances which may "bleed through" and cause staining to the finished surface. Prime all bare metal and potential rust spots with Unica Metal Primer or Rostex Super.

APPLICATION

Methods: brush, roller or spray application. Polyester or nylon paint brushes are best suited for the application of Helmi. For airless spray: use a 0,013"-0,015" spray tip. Thinning: if necessary thin by up to 5% with water.

Painting Conditions

All surfaces to be painted must be dry, the moisture content of the wood below 20%, the temperature of the air at least +8°C, and the relative humidity of the air below 80%.

Painting

Stir the paint thoroughly and apply two coats of Helmi overall.

Coverage

8-10 m<sup>2</sup>/l per coat. Wet-film thickness approximately 100-125 µm per coat, dry-film approximately 40-50 µm per coat. The above should be used as a guide, as actual spreading rates will depend upon many factors including texture, porosity and moisture content of the substrate.

Drying Times

At 23°C and 50% relative humidity of the air: touch-dry in one hour and recoatable after 16 hours. Final hardness will be achieved after 2-3 days. Low temperature and high humidity will make drying times longer.

Cleaning of Tools

Clean with water immediately after use.

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.

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

Not classified as hazardous for health. Handle with care, avoid prolonged contact with skin and breathing of spray mist. A Material Safety Data Sheet is available on request.

TRANSPORT

ADR/RID-. Protect from frost.

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.



Interior doors, window frames and skirting boards coated with Helmi Primer and finished with Helmi gloss paint. Interior walls finished with Helmi semi-matt paint.



Interior doors, facings and skirtings coated with Helmi Primer and finished with Helmi semi-matt paint.