

Ultranamel

Technical Data Sheet

Version 2.0

1. Product Description

Ultranamel is a high-performance water-based enamel designed to deliver the look, durability, and hardness of traditional solvent-based enamels without their drawbacks. Formulated with advanced self-crosslinking acrylic technology, it provides fast drying, non-yellowing performance, excellent flow, and a smooth, hard-wearing finish. Suitable for interior and exterior use.

2. Recommended Use

- Interior and exterior trim, doors, windows, and joinery
- Surfaces traditionally coated with solvent-based enamel
- General areas requiring a tough, non-yellowing finish
- Suitable for use over properly primed timber, MDF, plasterboard, metals, and repaints

3. Key Features and Benefits

- Enamel-like hardness and durability
- Non-yellowing formulation
- Fast drying with excellent flow and levelling
- Easy water clean-up
- Available in Gloss, Semi-Gloss, and Low Sheen finishes
- Suitable for both interior and exterior applications

4. Safety and Handling

Read all container labels before use. Follow standard safety procedures during application.

Refer to the Safety Data Sheet (SDS) for:

- Personal protective equipment
- Ventilation guidance
- Spill and disposal procedures

5. Product Information

Resin Type: 100% Self-crosslinking Acrylic

Solvent: Water

Colour: White and full range of tinted colours

Finish: Gloss, Semi-Gloss, Low Sheen

Drying Time @ 18 °C: 1 hour

Recoat Time: 2 hours

Recommended Dry Film Thickness: 75 µm DFT

Number of Coats: 2 (a 3rd coat may be required for some colours)

Theoretical Coverage: 16 m² per litre

Primer Needed: Yes – CCM All Prime recommended for most surfaces

Thinning & Cleaning: Water (thin up to 5% for spray application only)

6. Surface Preparation

- Ensure all surfaces are clean, dry, and free of dust, contaminants, and loose material.
- All preparation and painting must comply with AS2311: The Painting of Buildings.
- Wash surfaces with CCM House Wash if mould or fungus is present.
- Sand pre-painted surfaces to remove loose and flaking paint. Use correct grit and appropriate breathing protection.
- Prime with CCM All Prime for exterior surfaces, interior wood, and previously enamel-coated or varnished surfaces.
- For interior broadwall areas, CCM Wallboard Sealer may be used after sanding and de-dusting.

7. Application Details

Ultramel may be applied by brush, roller, speed brush, or spray.

- Thinning with water is recommended only for spray application (up to 5%).
- Maintain an even film build; avoid excessive spreading.
- Clean equipment immediately after use with water.

8. Application Conditions

- Do not apply when temperature is below, or expected to fall below, 10 °C.
- Primer required over putty, wood, and gap fillers.
- Avoid heavy film build, which may cause cracking during drying.
- Ensure adequate ventilation during curing.

9. Drying and Recoating

Touch Dry @ 18 °C: 1 hour

Recoat: 2 hours

Full hardness and final properties may take up to 30 days to develop.

10. Performance Summary

- Hard, durable enamel-like finish
- Non-yellowing formulation
- Fast recoat time
- Suitable for a wide range of substrates
- Excellent flow and application properties

Limitations:

- Avoid applying in temperatures below 10 °C
- Thick film builds may crack if applied too heavily
- Full cure requires extended time compared with touch dry

11. Storage and Shelf Life

Store sealed containers in a cool, dry place away from direct sunlight.
Keep container closed when not in use.

Shelf life: 24 months under proper storage conditions.

12. Environmental Information

- Water-based, low odour
- Dispose of leftover product and empty containers in accordance with local regulations

13. Disclaimer

The information provided is based on current knowledge and experience. No warranty is implied or expressed regarding performance in specific applications. Users must determine product suitability for their intended use.
