



QUANTUM

TIMBER FINISHES



Environmentally Sustainable, Environmentally Responsible.

MICROCLEAR

A single pack, clear, water based urethane coating for interior and sheltered exterior soft and hard wood timber.

Advantages

- Environmentally responsible - made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Fast drying with only one hour recoat time, apply multiple coats in a day
- Smooth flow, self - levelling finish
- Low yellowing - added UV stabilisers
- May be tinted with Quantum transparent or solid opaque stains to provide extra life due to added UV protection

Typical Applications

Suitable for interior and exterior applications. Applications include furniture, doors & windows, cupboards, storage units, skirting boards, architraves & sheltered eaves and feature walls.

Coverage

- 10-16m² per litre, first coat may use more. Coverage is dependent upon the porosity of the substrate.

Application Method

By brush, roller (short nap) or spray.

Good preparation is key to a professional looking, long lasting finish:

1. Ensure the surface is clean, dry and free from all dirt, dust, grease and grime.
2. Sanding not usually required, however if grain raising occurs de-nib / lightly sand after the first coat.
3. Stir thoroughly with a broad flat paddle before and during use.
4. Apply liberally to timber including edges and end grain. Apply two coats allowing one hour between the first and second coat. For increased durability and longevity, apply a third coat.
5. New Timber: Prepare timber using Quantum's SAP STRIP and a power wash to rid the surface of extractives and eliminate mill glaze. Apply as above – minimum three coats. A 12 monthly maintenance inspection is recommended to ensure the coating remains in good condition.
6. Spraying: Airless spray recommended. Use a 0.33 to 0.38mm (13 – 15 thou) orifice, 10cm fan (dependent on job) with a regulated pump pressure of 350-400 kPa (50 – 55 psi) tip pressure. Back brushing is

MICROCLEAR (4540)

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The information in this data sheet represents typical values. Application variables affect product performance therefore this information should be used as a guide. The user must satisfy themselves as to the suitability of this product for their requirements. Mirotone assumes no liability for use of this information.

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recommended to achieve an even finish. Use normal protection i.e. mask, overalls. Watch your overspray. Wash off with soap and water before it dries.

Precaution

- Always test recycled timber for adhesion prior to full application.
- MICROCLEAR is best used in semi shaded areas.

Maintenance

Interior:

Lightly sand the area to be coated, ensure the surface is free from dust prior to recoating with two maintenance coats. Allow one hour between coats.

Exterior:

For exterior projects that are prone to sunlight, ensure a routine 12 monthly maintenance inspection is performed to ensure that the coating remains in good condition. Optimum protection of the timber and ease of maintenance is ensured if MICROCLEAR is recoated before the deterioration of the coating.

First indication of the need for recoating will be observed as patchiness or thinning of the surface coating on edges and areas where insufficient product has been applied or has naturally degenerated. Re-apply as the timber changes colour and presents a dull appearance or when water repellency diminishes due to weathering.

Due to many aspects of exterior projects, some area's will degenerate faster than others i.e. a project in a North West aspect will receive far more UV than a project in a Southern aspect. Therefore, the need to routinely inspect and maintain is strongly advised. Follow surface preparation instructions prior to applying maintenance coats of MICROCLEAR.

Specifications	Heat/Temperature	Do not apply if temperature is below 15°C or above 30°C.
	Drying	Touch Dry - 30 minutes Recoat - 1 Hour Full Hardness and cure may take up to 7 days. <i>In cooler or humid conditions drying times will be longer. Drying time is affected by wet film thickness (WFT), the higher the WFT the slower the rate of reaction and the longer the dry time.</i>
Properties	Colour	Clear or tinted with Quantum Transparent Stains and Solid Opaque Stains.
	Finish	Matt, Satin, Gloss.
	VOC Level	<46g/L. – Refer to VOC certificate for more information. VOC is dependent on gloss level.
	Thinner	Up to 5% with water
	Pack Sizes	1L, 4L, 10L.
	Product Code	4540
	Clean Up	Water clean-up.

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Health & Safety

Before handling, refer to the Safety Data Sheet (SDS) for health and safety information. Ensure that all people using this product have read and understood this data sheet, the associated SDS and packaging label before using this product.
