



MIROTHANE PU 5578 Clear Natural Topcoat

MIROTHANE PU 5578 is a high performance, clear, two pack, lo-yellowing, acrylic polyurethane for interior wood and wood composites. It has a natural matt finish and has outstanding durability, flexibility and colour stability.

Product Advantages

- Contains UV absorbers and light stabilisers that have been proven highly effective in protecting reconstituted, dyed and natural wood veneers from colour change when exposed to ultraviolet (UV) light.
- Low gloss is resistant to unsightly oily fingerprints. Fingerprints can be easily removed with a clean lint free cloth without leaving residual glossy spots, particularly important when applying a clear matt topcoat over a dark base.
- Fast drying.
- Mould resistant – under normal atmospheric conditions. (i.e. article is kept in a properly ventilated room by either open windows or used in a room with air extractor fans).

Typical Applications

Interior: Reconstituted, dyed and natural wood veneers, joinery, kitchen cupboards, wardrobes, wall panelling, furniture-table topcoat, bench tops, commercial furniture and fit-outs, window furnishings and blinds.

Semi / Exterior: Wall panelling, under covered entry doors and internal faces of opening windows.

Not recommended for the following applications: Bar tops, kitchen benchtops, vanity tops, or wet areas.

Product Properties

Build:	Good
Sandability:	Good
Vertical Hold Up:	Good
Solvent Resistance:	Very Good
Water Resistance:	Excellent
Levelling & Flow:	Excellent
Sink Back:	Minimal

Typical Properties

Colour:	Clear
Gloss:	Matt 5%

Coverage: 5-6 m² per litre at 150 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

Mixing Ratio (by volume): Mix 5 parts 5578 Part A + 1 part 5747 Part B (5A:1B) – Fast cure, early sanding

Mix 5 parts 5578 Part A + 1 part 5780 Part B (5A:1B) – Longer pot life, lower yellowing

Pot Life: 24 hours – 72 hours depending upon hardener selected

Pot life varies significantly with ambient temperature, humidity and the quantity mixed. Pot life is longer at lower

temperatures and shorter at higher temperatures. The larger the quantity mixed, the shorter the pot life will be. Only mix the quantity required for the job.

Thinning: Thin 20-30% with MIROSOL 1280, 1217, 1266 or 1218 Thinner.

Application Viscosity: 17-25 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 125-150 microns per coat.

Application Methods:

Suction Gun: Use 1.5 to 2mm (59-79 thou) orifice with 350-400kpa (50-55 psi).
Pressure Pot: Use 1.5 to 2mm (59-79 thou) orifice with pressure pot air-cap. Gun pressure 350-400kpa (50-55 psi) and a pot pressure of 45kpa (6 psi) max.
Airless Spray: Use 0.23 to 0.33mm (9-13 thou) orifice, 15cm fan (dependent on job) with regulated pump pressure of 350-400kpa (50-55 psi).
Air Mix Guns: Settings similar to airless spray with the air-assisted regulator pressure at 70-90kpa (10-15psi).

Drying: Dust Free: 5-10 minutes
Touch Dry: 45-60 minutes
Sanding: 2-3 hours
Topcoat: Within 24 hours of sanding
Block Stacking: 3-4 hours

Temperatures below 15°C will retard the curing reaction of the product. Drying time is also affected by wet film thickness, the higher the WFT the slower the rate of reaction and the longer the dry time.

Recommended Sealers: MIROTHANE PU 5535 clear polyurethane sealer.
MIROTHANE PU 5545 clear polyurethane sealer.
MIROTHANE PU 5578 can be used as its own sealer.

Application Equipment Clean Up: Clean all equipment using MIROSOL 1208 or 1234 Thinner

Shelf Life: MIROTHANE PU Part A – 18 months
MIROTHANE PU Part B – 12 months

Packaging: MIROTHANE PU Part A – 4 & 20 litres

Refer to the MIROTHANE PU Product Information Guide for more information.

Health & Safety

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

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