



MIROTHANE PU 5577 Sun-Shield Clear Topcoat

MIROTHANE PU 5577 is a high performance, clear, two pack, non yellowing, acrylic polyurethane for interior wood and wood composites. It 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.
- High solids means less coats are required to achieve a full finish.
- Subdued gloss is highly resistant to unsightly oily fingerprints. Fingerprints can be easily removed with a clean rag without leaving residual glossy spots, particularly important when applying a clear matt topcoat over a dark base.
- Available in a full range of gloss levels; matt, satin, semi-gloss and full gloss.

Typical Applications

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

Semi Exterior: Covered entry doors and internal faces of opening windows

Exterior: When used as a protective clear topcoat over an exterior grade pigmented basecoat e.g. MIROTHANE PU 5610 polyurethane on metal, plastic or over appropriately primed carbon fibre.

Product Properties

Build:	Very 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, Satin, Semi Gloss, Full Gloss

Coverage: 6-7 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):

Matt & Satin: 4 Parts 5577 Part A + 1 Part 5735 Part B (4A:1B)

Semi Gloss & Full Gloss: 4 Parts 5577 Part A + 1 Part 5757 (4A:1B)

Full Gloss: 4 Parts 5577 Part A + 1 Part 5789 (4A:1B)

Pot Life: Up to 8 hours at 25°C

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:

Matt, Satin & Semi Gloss: Thin 40-60% with MIROSOL 1217 (Fast), 1263 (Medium), 1266 (Slow)

Full Gloss: Thin up to 15% with MIROSOL 1263 (Medium), 1266 or 1260 (Slow)

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: 10-25 minutes
Touch Dry: 2-4 hours
Sanding: Overnight
Topcoat: Within 24 hours of sanding
Block Stacking: 24 hours

Temperatures below 16°C will retard the curing reaction of the product. Drying time is also affected by wet film thickness, the lower the WFT the slower the rate of reaction and the longer the dry time.

Recommended Sealers: MIROTHANE PU 5500 Clear Isolator
MIROTHANE PU 5577 Sun-Shield used as it's own sealer

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

Shelf Life: MIROTHANE PU Part A – 12 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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