



MIROTHANE PU 5500 Clear Isolator Coat

MIROTHANE PU 5500 is a versatile clear isolator that, depending upon requirements, may be applied as either a single pack or two pack primer.

MIROTHANE PU 5500 minimises the risk of resin exudation and tannin bleed when applied as a first primer coat on bare wood. It minimises the risk of edge cracking on MDF. It minimises sink back to provide maximum hold up for subsequent coats of MIROPOL PE or MIROTHANE PU sealers or undercoats.

To achieve the best adhesion, tannin blocking performance and hold up of subsequent coats, application of MIROTHANE PU 5500 as a two pack product is recommended.

Product Advantages

- Fast drying
- No sanding required
- Water white, excellent clarity
- Excellent adhesion to wood, MDF & LPM

Typical Applications

Tannin blocking primer under MIROTEC WB water based coatings, mouldings, picture frames, MDF furniture and fixtures, MDF routed grooves and solid Jarrah furniture and articles.

Product Properties

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

Typical Properties

Colour:	Clear
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Coverage: 10 m² per litre at 100 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

Mixing Ratio (by volume):

10 Parts 5500 Part A + 1 Part 5789 (10A:1B)

Pot Life: 4 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: Thin single pack 20-30% and two pack 12-25% with MIROSOL 1217 (Fast), 1263 (Medium), 1266 (Slow)

Application Viscosity: 18-23 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 100-125 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: Recoat: Single pack – 1 hour
Two pack – min 2 hours (for best results leave overnight before recoating)

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: MIROLAC NC, MIROCAT PC, MIRBILD AC, MIROTHANE PU, MIROPOL PE, MIROTEC WB

Application Equipment Clean Up: Clean all equipment using MIROSOL 1222 or 1286 Thinner

Shelf Life: 24 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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