



MIROTONE

Leading the way in coating systems since 1938

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MIROTHANE PU 5545 Clear Sealer

Technical Data Sheet

MIROTHANE PU 5545 is a premium, two pack, clear, polyurethane sealer that provides an excellent sanding base for clear polyurethane topcoats. Fast drying, with excellent free sanding means reduced time between coats. Its high build properties result in a fuller finish with excellent filling of open grain timber.

Product Advantages

- Good build enhances the final finish by sealing, filling and covering the fibres of the substrate.
- Excellent flow and levelling.
- Easy sanding ensures reduced time to sand and the best possible surface for top coating.
- Low yellowing, suitable over light coloured wood/veneers and liming stains when mixed with one of the low yellowing MIROTHANE Part B Hardeners.
- Marine fire rating compliance.

Typical Applications

Interior use only for example commercial joinery, wall panelling, domestic furniture, high rise office and hotel fit outs and interior marine fit-outs.

Product Properties

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

Typical Properties

Colour:	Milky in can dries clear
Gloss:	N/A

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):

2 Parts 5545 Part A + 1 Part 5747 Part B (2A:1B) or
4 Parts 5545 Part A + 1 Part 5728, 5735 or 5757 (4A:1B)

Pot Life: 2-3 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 10-20% with MIROSOL 1217 (Fast), 1263 (Medium), 1266 or 1218 (Slow)

Application Viscosity: 18 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: 15 minutes
Touch Dry: 20 minutes
Sanding: 1-2 hours
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 Topcoats: MIROTHANE PU 5555 Clear Polyurethane Topcoat
MIROTHANE PU 5577 Sun-Shield Clear Polyurethane Topcoat
MIROCAT PC 3220 Clear Topcoat

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