MIROTHANE PU 5555 Clear Topcoat

MIROTHANE PU 5555 is a premium, two pack, clear polyurethane. High clarity results in striking grain definition and enhances the natural beauty of stained timber. It has been formulated to have superior resistance to water, general household reagents, marring and scuffing.

Product Advantages

- Excellent water and chemical resistance makes it ideal for demanding in-service environment such as marine fit-outs, bench tops and bar tops.
- Very low yellowing, it is suitable for use over light coloured wood and veneers when mixed with a low yellowing MIROTHANE PU Part B Hardener.
- The full gloss version results in a brilliant high gloss finish with excellent distinction of image (DOI).
- Marine fire rating compliance (refer to the product information guide for details).
- Available in satin, semi-gloss and full gloss.

Typical Applications

Interior use only. Ideal for demanding environments such as bar & kitchen bench tops, bathroom vanities, interior marine fit-outs and commercial fit outs.

Product Properties

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

Typical Properties

Colour:	Clear
Gloss:	Satin, Semi Gloss & Full Gloss

Coverage: 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):

Satin

1 Part 5555 Part A + 1 Part 5747 (30-40%) Part B (1A:1B) or
3 Parts 5555 Part A + 1 Part 5728 (30-40%), 5735 (35-45%), 5757 (35-45%) (3A:1B)
2 Parts 5555 Part A + 1 Part 5728 (35-45%), 5735 (50-60%), 5757 (60-65%) (2A:1B)

Semi Gloss

1 Part 5555 Part A + 1 Part 5747 Part B (1A:1B) or
2 Parts 5555 Part A + 1 Part 5728, 5735, 5757 (2A:1B)

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Full Gloss
1 Part 5555 Part A + 1 Part 5780 Part B (1A:1B) or
2 Parts 5555 Part A + 1 Part 5735, 5757, 5776, 5784, 5789 (2A:1B)

Pot Life: 2-3 hours at 25°C

Pot life varies significantly with ambient temperature, humdity 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: **Satin & Semi Gloss:** When using PU 5747 thin up to 30% with all other hardeners thin up to 50% with MIROSOL 1217 (Fast), 1263 (Medium), 1266 or 1218 (Slow)
Full Gloss: Thin 10-20% with MIROSOL 1217 (Fast), 1263 (Medium), 1266 or 1260 (Slow)

Application Viscosity: 16-18 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:	8-23 minutes
Touch Dry:	30-45 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 Sealers: MIROTHANE PU 5545 Clear Polyurethane Sealer
MIROTHANE PU 5533 Clear Polyurethane Sealer

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.

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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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