



MIROTHANE PU 5673 Fast Cure Pigmented Topcoat

MIROTHANE PU 5673 is a user friendly, two pack, rapid drying, fast cure polyurethane topcoat. It has excellent resistance to general household contaminants, and excellent resistance to marring and scuffing.

Product Advantages

- Full range of gloss levels – 10% Matt, 30% Satin, 60% Semi-Gloss and Full Gloss
- Fast drying, pack the next day
- Easy to apply, simple system across all gloss levels
- Excellent vertical hold
- Long pot life
- Available in an extensive colour range or tintable to a colour sample

Typical Applications

Interior use only for example interior doors, kitchen & bathroom cabinets, commercial joinery and wall panelling and domestic furniture.

With the application of the recommended undercoat of primer may be applied over wood, MDF and melamine.

Product Properties

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

Typical Properties

Colour:	White & tinted colours
Gloss Level:	10% Matt, 30% Satin, 60% Semi-Gloss & Full Gloss

Coverage: 6-7m² 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) for 10% Matt, 30% Satin & 60% Semi-Gloss:

2 Parts PU 5673 Part A + 1 Part 5747 (2A:1B).

Mixing Ratio (by volume) for Full Gloss:

2 Parts PU 5673 Part A + 1 Part 5735 (Winter), or 5757 (Summer).

Pot Life: 10% Matt, 30% Satin and 60% Semi-Gloss 6 - 8 hours at 20 degrees C.
Full Gloss 3 - 4 hours at 20 degrees 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: 20-30% in 10% Matt, 30% Satin and 60% Semi-Gloss with MIROSOL 1266, 1260 (medium), 1218 (slow).
MIROSOL 1297 Retarder may be added at an addition of 10% when used in conjunction with

In order to maintain consistency of colour and gloss during a job or repeat jobs of the same colour, it is critical to use the same Part B Hardener and thinner throughout.

In very high temperatures to further slow the drying time use 10% MIROSOL 1297 Retarder as part of the solvent blend. (Refer to Mirotone technical service for further information).

Application Viscosity: 17-20 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 150 - 175 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:

Gloss Levels	Dust Free	Touch Dry	Sanding	Recoat
Matt, Satin & Semi-Gloss	8-10 min	10-20 min	1-2 hours	Within 24 hours of sanding
Full Gloss	10-15 min	25-30 min	1.5 to 2 hours	

Block Stacking: Next day.

Temperatures below 15°C retard the curing reaction of 2 Pack Polyurethane Topcoats. 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 Undercoats: MIROLAC NC 3125
MIROPOL PE 5111 or 5130
MIROTHANE PU 5600, 5626 or 5631

Application Equipment Clean Up: Clean all equipment using MIROSOL 1208 Thinner.

Shelf Life: MIROTHANE PU Part A – 24 months
Part B – 12 months

Packaging: MIROTHANE PU Part A – 1 to 16 litres

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

Health & Safety

Before handling, refer to the 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 SDS and packaging label before using this product.

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