



MIROTHANE PU 5650 Pigmented Topcoat

MIROTHANE PU 5650 is a user friendly, two pack, fast cure polyurethane topcoat. It has been formulated to have superior resistance to water, general household contaminants, marring and scuffing. Available in a superb full gloss with excellent flow, levelling and distinctiveness of image (DOI) and a fast drying, easy to apply satin finish.

Product Advantages

- Available in an extensive colour range or tintable to a colour sample
- Excellent flow and levelling results in a smooth even finish.
- With the application of the recommended undercoat or primer may be applied over wood, MDF, melamine, glass, metal and plastic.

Typical Applications

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

With the appropriate primers may be used to topcoat glass, plastic and metal.

Product Properties

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

Typical Properties

Colour:	White & tinted colours
Gloss:	Satin, Semi-Gloss & Full Gloss

Coverage: 8 m² per litre at 125 micron wet film build. This is dependent on the application equipment / gun set up and the article being coated.

Mixing Ratio (by volume):

Satin:	PU 5747 RFU Hardener	1A:1B	30% gloss
	PU 5728 Fast Cure Hardener	2A:1B	40-50% gloss
		3A:1B	20% gloss
	PU 5735 Fast-Med Cure Hardener	2A:1B	50-60% gloss
		3A:1B	25-35% gloss

Semi-Gloss:

PU 5747 RFU Hardener	1A:1B
----------------------	-------

PU 5728 Fast Cure Hardener 3A:1B
PU 5735 Fast-Med Cure Hardener 3A:1B

Full Gloss:

PU 5747 RFU Hardener 1A:1B
PU 5780 RFU Hardener 1A:1B
PU 5735 Fast-Med Cure Hardener 2A:1B
PU 5757 Medium Cure Hardener 2A:1B
PU 5776 Med-Slow Hardener 2A:1B
PU 5784 Slow Cure Hardener 2A:1B
PU 5789 Ultra Slow Cure Hardener 2A:1B

Pot Life: Satin & Semi Gloss - > 8 hours
Full Gloss – 2 – 8 hours

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: Satin & Semi Gloss – Thin 40-55% with MIROSOL 1217 (Fast), 1263 (Medium), 1266, 1218 (Slow) when using high solids Part B.
When using Ready For Use (RFU) Part B's thin 30-40%.
Full Gloss – thin up to 25% with MIROSOL 1263 (Medium), 1260, 1266, 1218 (Slow) when Using high solids Part B. When using RFU Part B's thin 20-30%.

MIROSOL 1281 Matt Promoter may be added to MIROTHANE PU 5650 Satin at an addition rate of 30-40% to achieve an approximate gloss level of 10-15%.

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. To speed up dry time add up to 3% MIROTHANE PU 5795 Accelerator.

Application Viscosity: 17-20 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 minutes
Touch Dry: 30 minutes
Sanding: 100 minutes (depending upon temperature)
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 higher the WFT the slower the rate of reaction and the longer the dry time.

Recommended Undercoats: MIROLAC NC 3125 (for subdued gloss level only)
MIROPOL PE 5110, 5111 or 5130
MIROTHANE PU 5600, 5626 or 5631

Metal Primers: MIROKEY VY 6615 Etch Primer
MIROLON ZP 6930 Rapid Dry Zinc Phosphate Primer
MIROTHANE PU 5629 2K Metal Primer

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

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

Packaging: MIROTHANE PU Part A – Available in 4 to 16 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.

Mirotone Pty Ltd Australia (Head Office)
ABN 40 000 041 136
21 Marigold Street,
Revesby NSW 2212 Australia
P +61 2 9795 3700 F +61 2 9771 3601
sales@mirotone.com.au

Mirotone (NZ) Ltd New Zealand (Head Office)
32 Cryers Road,
Auckland, 1730, New Zealand
P +64 9 272 2730 F +64 9 272 2733
information@mirotone.co.nz

Mirotone (Thailand) Co., Ltd
83 Moo 4, Poochaosamingprai Rd,
Samrong Klang, Prapradaeng,
Samutprakam, 10130, Thailand
P +66 2 754 4451 F +66 2 754 4450

www.mirotone.com