



MIROTHANE PU 5605 Pigmented Topcoat

MIROTHANE PU 5605 is a premium, two pack, polyurethane topcoat. It is a high build, hardwearing topcoat with excellent flow and drying characteristics. It also has excellent chemical resistance and durability. Available in a superb full gloss with a semi-gloss and satin achievable with MIROTHANE PU 5711 flattening base.

Product Advantages

- Superior chemical and moisture resistance
- The high build will enhance the finished appearance of the topcoat by filling and covering the fibres of the substrate.
- Excellent flow and levelling results in a smooth even finish with excellent distinction of image (DOI).

Typical Applications

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

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

Product Properties

Build:	Excellent
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:	Full Gloss

Coverage: 10 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):

Full Gloss: 1 Part 5605/FG Part A + 1 Part 5747 or 5780 Part B (1A:1B) or
2 Parts 5605/FG Part A + 1 Part 5757 or 5776 or 5784 or 5789 (2A:1B)

Semi Gloss: 3 Parts 5605/FG Part A + 1 Part PU 5711 Flattening Base then mix with PU 5757 (2A:1B). Thin 30% with 1263, 1266 or 1218.

Satin: 3 Parts 5605/FG Part A + 1.5 Part PU 5711 Flattening Base then mix with PU 5757 (2A:1B). Thin 30% with 1263, 1266 or 1218.

Pot Life: 2 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: Thin 20-40% with MIROSOL 1217 (Fast), 1263 (Medium), 1266, 1218, 1260 (Slow).

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

Application Viscosity: 17-22 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 90 -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).
Curtain Coater: Viscosity 40 – 50 seconds. Consult your local representative for further information.

Drying: Dust Free: 20 - 90 minutes
Touch Dry: 30 - 100 minutes
Sanding: 16 hours (depending upon temperature)
Topcoat: Within 24 hours of sanding
Block Stacking: 48 - 72 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. To speed up dry time add up to 3% MIROTHANE PU 5795 Accelerator.

Recommended Undercoats: MIROPOL PE 5110, 5111 or 5130
MIROTHANE PU 5600, 5626 or 5631

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 – Available in 1 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.

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