



MIROTHANE PU 5690 Pigmented Topcoat

MIROTHANE PU 5690 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 superb High Gloss with excellent DOI, flow, levelling, and fast drying.

Product Advantages

- Fast drying, pack next day
- Available in and extensive colour range or tintable to a colour sample
- Excellent flow and levelling results in a smooth even, high build finish
- With the application of the recommended undercoat of primer may be applied over wood, MDF and melamine

Typical Applications

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

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 and tinted colours
Gloss:	Full Gloss and Satin

Coverage: 6 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): PU 5728 Fast-Cure Hardener 2A:1B
PU 5735 Med-Fast Cure Hardener 2A:1B

Full Gloss: PU 5757 Medium Cure Hardener 2A:1B

Pot Life: 2-4 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 up to 25-30% with MIROSOL 1290 (fast), 1260 (medium), 1218 (slow).

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.

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: 30 minutes
Print Free: 3 hours
Sanding: After 16 hours
Topcoat: Within 24 hours of sanding
Block Stacking: After 16 hours (using medium part B and slow thinner—may affect block stacking)

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: MIROPOL PE 5107, 5110, 5111 or 5130
MIROTHANE PU 5600, 5626 or 5631

Application Equipment Clean Up: Clean all equipment using MIROSOL 1222, 1286 or 1288 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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