

MIROTHANE PU 5631 Pigmented Undercoat

MIROTHANE PU 5631 is a high solids, low viscosity polyurethane undercoat. It provides an excellent high gloss and DOI when top coated with one of Mirotone's full gloss polyurethane topcoats.

Product Advantages

- Fast drying, ideal for automatic lines with in-line or early forced drying.
- Easy to sand, powders easily making it ideal for hand sanding.
- Has a slight sheen making it easier to see where it has been sanded.
- Low sink back, produces an excellent high gloss finish when top coated with one of Mirotone's full gloss polyurethane topcoats, comparable with the gloss achieved with a polyester undercoat.
- Excellent vertical hold up.

Typical Applications

Interior use only, e.g. Interior doors, kitchen & bathroom cabinets, commercial joinery, wall panelling and domestic furniture.

Product Properties

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

Typical Properties

| | |
|---------|----------------|
| Colour: | White & Tinted |
| Gloss: | Slight sheen |

Coverage: 6-7 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):

2 Parts 5631 Part A + 1 Part 5747 Part B (2A:1B) or

4 Parts 5631 Part A + 1 Part 5728 or 5735 (4A:1B)

Pot Life: 2 hours at 25°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: Thin up to 40% with MIROSOL 1217 (Fast), 1263 (Medium) or 1218, 1266 (Slow).

Application Viscosity: 20-30 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 100-150 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: 10-25 minutes
Touch Dry: 60 minutes
Sanding: 5-7 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 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 Topcoats: MIROTHANE PU 5605 or 5650

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

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

Packaging: MIROTHANE PU Part A – Available in 4 & 25 kg (3.4L & 17L)

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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