



MIROTHANE PU 5610 Pigmented Topcoat

MIROTHANE PU 5610 is a high performance, two pack, acrylic modified polyurethane coating. This is a high gloss polyurethane which has superior coverage and excellent durability. MIROTHANE PU 5610 also has superior adhesion over a wide variety of substrates.

Product Advantages

- Outstanding durability, gloss and colour retention
- Excellent opacity, achieve a high gloss finish with minimal coats

Typical Applications

Petrochemical industry, road tankers, tank farms, marine environment, concrete mixing bowls, trailers, horse floats, truck chassis, automotive, CFC toilet partitions.

Product Properties

Build:	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:	Full Gloss

Coverage: 6 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): 4 Parts 5610 Part A + 1 Part 5789 Part B (4A: 1B)

Pot Life: Up to 10 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: 25-40% with MIROSOL 1266 (fast), 1260 (Medium), 1218 (Slow) thinner.

Application Viscosity: 17-25 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-

Airless Spray: 400kpa (50-55 psi) and a pot pressure of 45kpa (6 psi) max.
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:	25-30 minutes
Touch Dry:	40-50 minutes
Recoat:	Within 24 hours
Sanding:	If left to dry for longer than 24 hrs, sanding is recommended
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: MIROKEY 6615 Etch Primer
MIROTHANE PU 5629 2K Undercoat
MIROLON AK 6930 Primer

Bare Metal Preparation: All substrates must be structurally sound & free of all contaminates. The bare metal will need to be thoroughly cleaned with MIROSOL 1231 Wax & Grease Remover to remove all oils, grease & contaminates from the steel. All loose/ flaking paint should be removed by abrasive blast cleaning, sanding or power tool cleaning.

Aluminium, Galvanised Steel & Zincalume: Thoroughly clean the surface with MIROSOL 1231 Wax & Grease Remover. Apply one light coat of MIROKEY VY 6615 to provide adhesion for the following coats of MIROLON 6930 Primer or one of the recommended Mirotone topcoats. Apply MIROLON 6930 over MIROKEY VY 6615 when a higher build sanding primer is required. Allow to dry & apply the recommended Mirotone metal topcoat.

Timber: MIROTHANE PU 5610 can be applied over MIROTHANE PU 5600, 5626, 5631, MIROPOL PE 5130, 5110 or 5107

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

Shelf Life: 24 months

Packaging: MIROTHANE PU 5610 Part A: 4 & 20 Litre
MIROTHANE PU 5789 Part B: 4 Litre

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