



MIROTEC WB 8052 Clear Polyurethane Topcoat

MIROTEC WB 8052 is a high performance, clear, single pack, water based topcoat. It is extremely tough with excellent chemical and abrasion resistance making it highly suitable for harsh environments e.g. bar and table tops, bathroom vanities and commercial fit-outs.

Product Advantages

- Excellent chemical and abrasion resistance.
- Single pack, no pot life issues to manage and less waste of product.
- To minimise the risk of sink back and tannin bleed and achieve the best possible water and chemical resistance, apply MIROTHANE PU 5500 Clear Isolator mixed 10A:1B with MIROTHANE PU 5789 Hardener, as a first coat on bare wood.
- Low VOC (solvent content), non-flammable, low odour, safer for workers and the environment.
- Formaldehyde free, zero formaldehyde emissions in rooms in which coated articles are installed or used.
- Isocyanate free, does not require air assisted face masks or other respiratory personal protective equipment for application.
- Phthalate free, it is ideal for children's toys.

Typical Applications

Interior use only. Ideal for domestic and commercial furniture, bar and table tops, bathroom vanities, stairs and handrails, window furnishing (venetian blinds and shutters), internal doors, wall panelling, nursery furniture and children's toys, interior wooden articles e.g. picture frames, musical instruments.

Product Properties

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

Typical Properties

Colour:	Clear (milky in can, dries clear)
Gloss:	Matt, Satin (Semi Gloss & Full Gloss made to order min order 200L of each)

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.

Thinning: Supplied ready for use (RFU). However if required, it may be thinned with up to 10% water depending upon application requirements.

Note: only thin the volume of MIROTEC WB 8052 required for the job at hand. Once thinned the viscosity will continue to fall during the next 24 hours. If the application viscosity is too low, mix with some unthinned MIROTEC WB 8052 to bring the viscosity back up to the target.

Application Viscosity: 55 - 65 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 100-125 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).

Drying: Dust Free: 20 minutes
Touch Dry: 45 minutes
Sanding: 1.5 - 2 hours
Topcoat: Within 24 hours of sanding
Block Stacking: 24 hours

Low temperatures and heavy wet film thickness will retard drying times.

Recommended Sealer: MIROTEC WB 8022 Clear Water Based Sealer
MIROTEC WB 8052 Clear Water Based Topcoat (used as its own sealer)

Application Equipment Clean Up: Clean all equipment with water following use.

For more effective cleaning e.g. when coating has started to dry, use MIROTEC WB 1390 Equipment Wash followed by a rinse with water.

Note: When changing from solvent based coatings to water based coatings, ensure application equipment and coating lines are first flushed with MIROSOL 1208 or acetone and then flush equipment with water. When changing from water based coatings to solvent based coatings flush first with water and then with MIROSOL 1208 or acetone.

Shelf Life: 24 months

Packaging: 20 litres (satin also available in 5 litres)

Refer to the MIROTEC WB 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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