



MIROLAC NC 3121 Universal Undercoat

MIROLAC NC 3121 is an economical, single pack, pigmented undercoat for internal wood and medium density fireboard (MDF). It is fast drying with excellent sanding properties. Ideal for curtain coating and high volume coating applications.

Product Advantages

- Easy to sand, powders easily, reducing sanding time.
- Fast drying enables increased production throughput
- Single pack, no pot life issues to manage
- Formaldehyde free, safer for the applicator, zero formaldehyde emissions in rooms in which articles are installed.

Typical Applications

Interior use only. Ideal for domestic furniture, internal doors, children's toys and furniture, picture frames, musical instruments, MDF building products and peg boards for display areas.

When top coated with MIROBILD AC topcoats or MIROTHANE PU topcoats this product may be used on kitchen cabinets and commercial furniture.

Product Properties

Build:	Good
Sandability:	Very Good
Vertical Hold Up:	Very Good
Solvent Resistance:	Resists splash and spillage of mineral turps but has poor resistant to industrial solvents
Water Resistance:	Fair
Levelling & Flow:	Excellent
Sink Back:	Minimal

Typical Properties

Colour:	White
Gloss:	N/A

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.

Thinning: Thin 25-40% with MIROSOL 1222 or 1220 (Fast), 1294 (Medium), 1242 (Slow)

Application Viscosity: 18-20 seconds BS4 Flow Cup at 25°C.

Wet Film Thickness (WFT): 125-175 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:	40-60 seconds viscosity with applied wet film thickness of 150 microns.
Electrostatic Spray:	Consult supplier's directions for correct voltage settings and earthing procedure.

Drying:	Dust Free:	7 minutes
	Touch Dry:	15 minutes
	Sanding:	30 minutes
	Topcoat:	Within 24 hours of sanding
	Block Stacking:	16 hours dependent on WFT and temperature

Low temperatures or heavy film thickness will retard drying times.

Recommended Topcoats:	MIROLAC NC 3150 Pigmented Nitrocellulose Topcoat
	MIROBILD AC 3770 Pigmented Acid Catalysed Topcoat
	MIROTHANE PU 5605 Pigmented Polyurethane Topcoat
	MIROTHANE PU 5650 Pigmented Polyurethane Topcoat

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

Shelf Life: 24 months

Packaging: 20 litres

Refer to the MIROLAC NC 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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