

## MIROLAC NC 3125 Universal Undercoat

## Technical Data Sheet

MIROLAC NC 3125 is an extremely fast drying, single pack, pigmented undercoat for internal wood and medium density fireboard (MDF). It is aromatic free and contains no formaldehyde or phthalates making it safer for the user and the environment. With excellent sanding properties it is an ideal base to be top coated with a variety of topcoats.

### Product Advantages

- Very fast drying speeds up production throughput
- Easy to sand, powders easily reducing sanding time.
- Minimises the risk of wax extraction over MDF and HDF.
- Single pack, no pot life issues to manage
- Formaldehyde free, safer for the applicator, zero formaldehyde emissions in rooms in which articles are installed.
- Phthalate free it is ideal for use on children's toys and furniture.

### 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:	Very 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 m<sup>2</sup> 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:** 20-30 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.

**Drying:** Dust Free: 5 minutes  
Touch Dry: 10 minutes  
Sanding: 25 minutes  
Topcoat: After sanding  
Block Stacking: 16 hours dependent on WFT and temperature

*Low temperatures and 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  
Most commonly used decorative solvent and water based enamels

If using a product other than a Mirotone topcoat it is up to the user to test the product prior to top coating to ensure compatibility. Some coatings may contain ingredients that reduce the adhesion of the full coating system including the primer.

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

**Shelf Life:** 24 months

**Packaging:** 4 kg (3.6 L), 20 kg (17 L), 205 kg (184 L)

**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.