# TECHNICAL DATA SHEET

## NC TOP COAT

## PRODUCT DESCRIPTION

**City Paints NC Top Coat** is a premium low-odour alkyd wood finish formulated with deep-penetrating resins to provide long-lasting protection for exterior wood. It offers excellent UV resistance, weather durability, and a flexible protective film that adapts to natural wood movement.

## FEATURES & BENEFITS

- **Enhanced Durability:** Long-lasting protection against harsh weather
- **UV Shielding:** Reduces colour fading, cracking, and surface erosion
- **Low Odour:** Comfortable application with minimal smell
- **Anti-Fungal:** Prevents surface mould and fungal growth
- **Flexible Film:** Resists cracking caused by wood expansion and contraction
- **Water-Resistant:** Reduces moisture absorption for extended wood life
- **Heavy-Metal Free:** Contains no lead, mercury, chromium, cadmium, or arsenic

## RECOMMENDED USES

Suitable for all exterior wood surfaces including Doors, trims, frames, trellis, fences, railings, pergolas, roofs, windows, balconies, skirting boards, and engineered wood panels (plywood, particleboard, etc.).

## PRODUCT DATA

| Property | Value |
|---|---|
| Colours | Clear & tinted shades (City Paints tinting system) |
| Solids by Volume | ~39% ± 2% |
| Flash Point | 46°C (Closed Cup) |
| Finish | Satin / Semi-Gloss (depending on shade) |
| Packaging | 1L, 3.6L, 18L |

## APPLICATION DETAILS

**Application Tools:** Brush, roller, or spray
**Mixing:** Stir thoroughly before and during use **Thinner:** City Paints NC Thinner
**Dilution:** Ready to use; if required, thin up to **5%**

## RECOMMENDED FILM THICKNESS

- **Dry Film Thickness:** 25–35 µm per coat
- **Wet Film Thickness:** 65–90 µm per coat
- **Coverage:** 10–15 m²/L depending on surface texture and porosity

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## DRYING TIME (Typical at 23°C, RH 50%)

| Stage | Time |
|---|---|
| Touch Dry | 4 hours |
| Hard Dry | 8 hours |
| Recoat | 8 hours |

Higher temperatures accelerate drying; lower temperatures slow it down.

## SURFACE PREPARATION

- Ensure the wood is clean, dry, and free from dust, oil, grease, and contaminants
- Remove mold or fungus before coating
- Sand the surface with **#400 grit**, wipe clean with NC thinner
- For subsequent coats, sand lightly with **#600–#1000 grit** for best adhesion

## RECOMMENDED SYSTEM

| Coat | Product | Coats |
|---|---|---|
| Primer (Optional) | NC Primer | 1 |
| Topcoat | City Paints NC Top Coat | 3 |

## STORAGE

Store in a cool, dry, well-ventilated area away from heat and ignition sources. Keep containers tightly sealed.

## SAFETY & HANDLING

- Follow all safety instructions on the container
- Use with adequate ventilation
- Avoid contact with eyes and skin
- Refer to the Safety Data Sheet (SDS) for full details

## DISCLAIMER

The information provided is based on laboratory testing and practical experience. As application conditions vary, City Paints guarantees only the quality of the product itself. Specifications may change without notice.

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