Slow Drying

Slower than expected drying of the coating film, may appear as patches of under cured coating in a cured coating film.

Cause	Prevention
Cold temperature conditions.	Ensure all Mirotone coatings are applied at above 10ºC ambient temperature and with humidity conditions of less than 70%.
Incorrect type or quantity of Part B (Hardener) used in a two pack coating system.	Ensure correct Mirotone Part B Hardener is used and mixed as per instructions on the relevant product data sheet.
Coating application to waxy substrate e.g. MDF board.	A coat of MIROLOK SB 3511 Clear Isolator will in most cases overcome this problem. The correct choice of MIROSOL thinner is important as most slow thinners or retarders will increase the risk of wax extraction. Contact your Mirotone representative for advice on the best sealer / undercoat to use on waxy substrates.
Applied coating film too thick.	Apply all Mirotone coatings to the correct Wet Film Thickness as per instructions set out on the relevant product data sheet.
Highly humid conditions inhibiting cure of acid-catalysed coatings.	Ensure all MIROBILD AC coatings are applied at above 10ºC ambient temperature and with humidity less than 70%.
Inadequate ventilation	Ensure sufficient airflow in the spray booth and drying rooms, a minimum airflow of 0.5m³ per second is recommended.
Effect of substrate - cork for instance inhibits drying of oil based products due to presence of tannin antioxidants. Totara and Matai inhibit drying of oil-based coatings.	Extend drying time by 50 to 100% before coating.
Peroxide cured polyester finishes will not cure properly if applied to acid catalysed sealers or undercoats.	Apply MIROPOL PE Polyester coatings only over approved sealers and undercoats as recommended on the appropriate product data sheet.
Application to an under-cured sealer or undercoat.	Do not recoat until the appropriate drying time has elapsed as per instructions on the relevant product data sheet.

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