

MIROTONE

Leading the way in coating systems since 1938

Product Specification Sheet

MIROSTAIN 2012 NON-WIPING WOOD STAIN

Description

A non grain raising, dye stain designed to be applied directly to timber in order to colour the substrate before applying subsequent **MIROCAT**, **MIROBILD** or **MIROTHANE** clear wood coating products.

MIROSTAIN 2012 is designed to be applied by spraying or dipping and once applied does not need to be wiped down to remove excess stain to produce an even finish.

MIROSTAIN 2012 Stain is best suited for application to light coloured timbers such as Beech, Pine, American Oak, etc.

Not suitable for use on oily heartwood timbers such as Rimu, Matai, Totoro, Teak, etc. Use MIROSTAIN 2001 or MIROSTAIN 2013 Stains in these applications.

Typical Applications

- Timber and Timber Veneer Fixtures and Furniture.
- Dining and Bedroom Suites.
- Hotel and Restaurant Furniture.
- Interior Doors.
- Kitchens.
- Wall Units, Shelving and Ceiling Panels.

Refer to the **Mirotone Coating Quality Promise Brochure** for typical service function and end use applications of the **MIROCAT**, **MIROBILD** and **MIROTHANE** clear wood coating product ranges.

Colours

Supplied in customer specific timber tone colours.

Surface Preparation

1. Fill all timber defects with "Timbermate" wood filler. (eg cracks, holes, etc)
2. Sand timber substrates to a smooth even finish using 180 grit 3M Production Frecut Paper. Sand MDF boards to a smooth even finish using 240 - 320 grit 3M Production Frecut Paper.
3. Remove all sanding dust using air guns and tack rags.
4. Ensure substrate is free from dust, grease, dirt, plus all other contaminants.
5. Ensure the moisture content of the timber is less than 15% immediately prior to commencing coating operations.

Technical Specifications



Thinning

Not normally required as MIROSTAIN 2012 Stain is supplied ready for use. If required stain can be diluted with the addition of MIROSOL 1294 Thinner, however the MIROSTAIN 2012 Stain colour becomes lighter with the addition of the thinners.



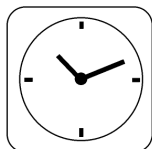
Application

By spray in properly constructed and functioning spray booths.



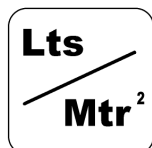
Application

By dipping in properly constructed dip tanks with functioning ventilation systems. (**Caution** – while the dipping tank is in use the stain colour may darken as the stain concentration increases due to solvent evaporation.)



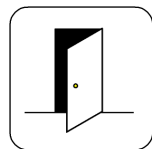
Drying Times @ 20° C and 70% humidity

Touch Dry	15 – 20 minutes
Overcoating Time	1 to 2 hours



Coverage

6 square metres per litre when thinned correctly and applied to a properly prepared substrate. Less on porous, open or end grain timber.



Storage

In an approved dangerous goods store.



Application Equipment Clean Up

Mirosol 1215 Ultra Fast Thinner.

Approved Coating System

	Stain	Sealer	1st Topcoat	2nd Topcoat
MIROCAT Clear Finishes	MIROSTAIN 2012 Stain	MIROCAT PC 3242 Sanding Sealer	Either MIROCAT PC 3200 or PC 3210 or PC 3220 Clear Lacquers	Either MIROCAT PC 3200 or PC 3210 or PC 3220 Clear Lacquers
	Stain	Sealer	1st Topcoat	2nd Topcoat
MIROBILD Clear Finishes	MIROSTAIN 2012 Stain	MIROBILD AC 3631 Sealer	Either MIROBILD AC 3633 or AC 3636 Clear Topcoats	Either MIROBILD AC 3633 or AC 3636 Clear Topcoats
	Stain	Sealer	1st Topcoat	2nd Topcoat
MIROTHANE Clear Finishes	MIROSTAIN 2012 Stain	MIROTHANE PU 5545 Sealer	MIROTHANE PU 5555 Topcoat	MIROTHANE PU 5555 Topcoat

Apply all coatings as per instructions on the relevant Product Specification Sheets.

Caution

1. MIROSTAIN 2012 Stain is designed to be applied to bare timber. Application between coats of sealer and topcoats or between topcoat and topcoat may cause delamination in the coating system.
2. Do not overcoat before the stated drying time period has elapsed even if the stain is dry.
3. When MIROSTAIN 2012 Stain is being applied by the utilisation of a dipping tank, the stain colour may darken as the stain concentration increases due to solvent evaporation from the dipping tank.
4. MIROSTAIN 2012 Stain **cannot** be added to a clear Mirotone sealer or topcoat for toning or shading operations.
5. Clear coatings whilst imparting partial protection to wood against the effects of water and chemicals, **do not protect** wood from the ageing / discolouration effects of temperature and sunlight. (refer to **Technical Bulletin #NZ-002**)
6. Certain species of timber veneer (for example Tawa, Blackwood, European Beech, Maple, etc) may discolour to a reddish hue when over-coated with a Mirotone clear coating system due to the reaction between the coating, the timber veneer and the timber veneer adhesive. (refer to **Technical Bulletin #NZ-002**)
7. Do **not** apply coatings if ambient or substrate temperatures are below 10°C. Under adverse climatic conditions full cure times may be extended.

Health & Safety

Ensure adequate ventilation during use. Dispose of contaminated rags used in the application of MIROSTAIN 2012 Stain in a safe manner. Material Safety Data Sheet available on request.

Treatment Specification

1. Sand substrate as required.
2. Apply an even, wet coat of MIROSTAIN 2012 Stain by spray or dip application.
3. Allow MIROSTAIN 2012 Stain to fully dry. Do not sand.
4. Thin and strain the selected sealer. Apply one coat. (apply sealer as per instructions on the relevant Product Specification Sheet)
5. Sand sealer coat to a smooth even finish with 400 grit 3M Production Frecut Paper and remove all sanding dust using air guns and tack rags. Taking care not to sand through the sealer coat and thus remove the stain.
6. Thin and strain selected clear topcoats and apply two coats. (apply topcoats as per instructions on the relevant Product Specification Sheet)

Packaging

20 litre packs

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