



**MIROTONE**



# MIROSTAIN

## Stains

Product Information Guide

*Innovative Coating Solutions*

## General Description

Mirotone's range of dye and pigment stains are ideal for use on domestic furniture, internal doors and children's toys and furniture. Easy to use and available in a large range of colours, Mirotone has the right system to meet your requirements.

## Advantages

Easy to use with minimal effort and expertise required  
Different drying speeds available to suit requirements  
Excellent light stability of dyes and pigments provides more consistent and fade resistant colours

## Recommended Use

Interior use only. Ideal for domestic and commercial furniture, architraves and skirting boards, internal doors, children's toys and furniture, picture frames, musical instruments and built-in wardrobes.

MIROSTAIN 2013 Dye Stain & MIROSTAIN 2616 Pigment Stain are suitable for use on timber floors.

## Application Methods

Pad or Rag:	Use a clean lint free cloth, apply in even strokes.
Suction Gun:	Use 1.5 (59 thou) orifice with 280kpa (35 psi). It is important not to apply MIROSTAIN above this pressure to avoid dark or blotchy discolouration.
Pressure Pot:	Use 1mm orifice with pressure pot air-cap. Gun pressure 280kpa (35 psi) and a pot pressure of 16kpa (2 psi) max.
Airless Spray:	Contact Mirotone's Technical Service Department for advice.
Air Mix Guns:	Contact Mirotone's Technical Service Department for advice.

## Handy Hints

- High Humidity and Moisture: All wood will swell and discolour if allowed to come into contact with water vapour. The protection provided by a coating is dependent on the moisture transmission of the coating and on the thickness of the dry coating film applied. Coated edges are usually the most vulnerable to damage either from the coating being removed or by inadequate film builds in high wear / traffic areas. Special care should always be given to sharp edges as coatings do not build well onto them, resulting in reduced protection in high moisture environments.
- Damp Wood: Do not apply coatings over damp wood (moisture content greater than 15%) as it may result in loss of adhesion, cracking or veneer checking of the wood.
- Inter-coat Adhesion: To ensure sound inter-coat adhesion, thoroughly sand between coats. To reduce the potential for adhesion failure in field, Mirotone strongly recommends you carry out regular and appropriate quality control testing of your production output.
- Coating systems with multiple coats of any sealer will increase the risk of the dry film appearing milky (especially when applied over dark stains or wood) and may result in white marking if the film is damaged by sharp objects.
- Clear coatings do not permanently protect the substrate from the ageing / discolouration effects of temperature and sunlight. Even when UV absorbers are present in a coating they will sacrificially break down over time and eventually no longer help protect the substrate.
- Consistency of colour: mix all stains well, use the same MIROSOL thinner throughout the job and use the same MIROSTAIN stain for the entire job.
- Due care must be taken in harsh in-service environments as coatings can be damaged by sharp objects. Use placements, coasters, table cloths and other protective covering to prevent damage.

## Application System

**Surface Preparation:** Surface must be free from dust, grease, dirt and all contaminants. MIROSOL 1231 Wax & Grease remover can be used to wash the surface to remove wax and grease. Fill all defects with a water based wood filler (i.e. cracks, holes etc) or fill open grain woods with MIROFIL 1702 if a full high build finish is required.

**Sand:** Sand wood with 180-240 grit paper. Sand MDF with 240-320 grit paper. Remove all dust using an air gun and clean lint free cloth.

**Staining:** Apply stain either by spray gun or hand.

Spray Gun: Use low air pressure to create a wet even coat. While still wet, wipe or rub lightly along the grain with a clean dry cloth to even out the colour.

Hand: Using a cloth, apply in the direction of the grain. Remove excess stain to ensure that you achieve a uniform even colour. To reduce the risk of the stain "freckling" seal within 10 minutes.

**Sealer:** Apply one of the following sealers per the instructions on the relevant data sheet:

- MIROCAT PC 3241, 3242 or 3244 Clear Sealer
- MIROBILD AC 3622 or 3628 Clear Sealer
- MIROTHANE PU 5533 or 5545 Clear Sealer

**Toning:** If required to provide extra depth of colour, add up to 10% by volume MIROSTAIN 2010, 2013 (Dye Stain) or unreduced MIROSTAIN 2616 (Pigment Stain). Apply in light even coats over sealed wood to obtain the depth of colour.

**Sand:** Allow to dry per the technical data sheet and sand with 280-320 grit paper just prior to top coating. Use 400-500 grit paper where a high gloss finish is being applied. Remove all sanding dust.

**Topcoat:** Apply two coats of one of the listed topcoats per the directions on the technical data sheet:

MIROCAT PC 3210, 3220 Clear Topcoat  
MIROBILD AC 3606, 3646, 3690 Clear Topcoat  
MIROTHANE PU 5588 or 5555 Clear Topcoat

#### **Applying MIROSTAIN 2013 & 2616 on Timber Floors:**

- Ensure the timber is clean and free from contaminants. Remove all imperfections and scratches and fill nail holes with a water based putty.
- Sand per Australian standard and finish with a 120 screen back or sand paper. Remove all sanding dust.
- MIROSTAIN 2013 may be applied unreduced or reduced. MIROSTAIN 2616 must be reduced 1 part stain to 1 part MIROSOL 1228 Mineral Turps. Additional reducer can be added to reduce colour strength and improve the workability of the stain. Note: apply a small test area to ensure colour is approved before applying to the entire floor.
- Apply by roller, applicator or brush, wipe away the excess stain in the direction of the grain. Start in the corner of the room and continue from wall to wall. Apply the stain along 3-4 boards at a time along the full length of the boards from wall to wall. Note: failing to remove excess stain can result in poor adhesion of the topcoat.
- Allow the stain to dry for at least 24 hours at 20°C.
- MIROSTAIN 2013 may be top coated with FASTASEAL, DURAPOL or Titan products
- MIROSTAIN 2616 must first be sealed with FASTASEAL 3535 mixed 10A:1B with Part B Hardener. Refer to the FASTASEAL 3535 data sheet for further 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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