



MIROTONE



Metallics, Pearls & Textures

Product Information Guide

Innovative Coating Solutions

General Description

Mirotone has a range of specialty effect additives that can be added to Mirotone coatings to achieve the required finish.

Metallic Coating Systems

Coating System	Wood / MDF/ Melamine	Glass	Metal	Plastic
Undercoat or Primer	MIROBILD AC 3720 MIROPOL PE 5110, 5111 or 5130 MIROTHANE PU 5600, 5626 or 5631	MIROLOK 3508 Glass Clean & Prime	MIROKEY VY 6615 Etch Primer	MIROLOK SB 3512 LPM Plastic Primer
Metallic Basecoat	MIROTHANE PU 5640 either Medium 3940 or Coarse 3944			
Topcoat / Backing coat	MIROBILD AC 3606 or 3646 MIROTHANE PU 5555 or 5577	MIROTHANE PU 5650	MIROTHANE PU 5555 or 5577	MIROTHANE PU 5555 or 5577

When applying metallic basecoats and pearlescent topcoats heavy application will result in the metallic or pearl settling to the bottom of the paint film reducing the ability of the metallic or pearl to reflect light. An even application technique must be employed to achieve a consistent result. For best results apply in a two or three pass cross-hatch application method to achieve a consistent wet film thickness and full opacity.

Pearlescent Coating Systems

Coating System	Wood / MDF/ Melamine	Glass	Metal	Plastic	
Undercoat or Primer	MIROBILD AC 3720	MIROPOL PE 5110, 5111 or 5130 MIROTHANE PU 5600, 5626 or 5631	MIROLOK 3508 Glass Clean & Prime	MIROKEY VY 6615 Etch Primer	MIROLOK SB 3512 LPM Plastic Primer
Pearlescent Basecoat			MIROTHANE PU 5640 either Fine 3950 or Coarse 3957		
Topcoat / Backing coat	MIROBILD AC 3770	MIROTHANE PU 5605, 5650	MIROTHANE PU 5650	MIROTHANE PU 5605, 5650	MIROTHANE PU 5605 or 5650
Pearlescent Topcoat	MIROBILD AC 3606 or 3690 with MIROPEARL Additive	MIROTHANE PU 5555 with MIROPEARL Additive		MIROTHANE PU 5555 with MIROPEARL Additive	MIROTHANE PU 5555 with MIROPEARL Additive

An even application technique must be employed to achieve a consistent result. For best results apply in a two or three pass cross-hatch application method to achieve a consistent wet film thickness and full opacity.

Texture Coating Systems

Add the texture additive to the last topcoat. Refer to the MIROTEX product data sheet for more information.

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.
- All glass contains a certain amount of iron which provides a slight green colour. To achieve the best colour reproduction it is important to select glass with a low iron content such as Starphire or Krystal Klear.

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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