



## PRODUCT DESCRIPTION

SINGLE COMPONENT SOLVENT BASED MOISTURE CURED POLYURETHANE FINISH  
COPON POLYCOTE MIO has been specifically developed as a medium to high build intermediate and/or finish coat which incorporates the proven performance characteristics of Micaceous Iron Oxide coatings.

COPON POLYCOTE MIO is normally applied over COPON POLYCOTE PRIMER and can be overcoated with one of several different Copon Polycote or Copon Polyurethane Finish coatings.

**Standard Colour Availability:** Manufactured only in a Light Grey and Mid Grey.

## GENERAL PROPERTIES AND APPROVALS

<b>Adhesion</b>	Excellent to correctly prepared and primed surfaces.
<b>Chemical Resistance</b>	Excellent resistance to a wide range of chemicals and solvents.
<b>Railtrack 98</b>	Item Number 6.1.2
<b>Highways Agency Registration</b>	Item Number 162

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average) by volume</b>	65%
<b>V.O.C. (As Supplied)</b>	334gm/litre
<b>NOTE:</b>	Thinning for spray application will increase the applied V.O.C.
<b>Specific Gravity (Average)</b>	1.63
<b>Film Thickness (Typical)</b>	Wet 125 microns Dry 80 microns
<b>Note:</b>	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements
<b>Theoretical Coverage Rate</b>	8 sq. metres per litre at 80 microns dft

## SURFACE PREPARATION

Surfaces should be prepared and primed with COPON POLYCOTE PRIMERS.  
Primed surfaces should be clean and free from contamination.

## MIXING

<b>Number of Components</b>	Single component material.
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## APPLICATION

<b>Conditions for Application</b>	Provided the prepared surface is dry and free from condensation or ice, COPON POLYCOTE MIO can be applied at temperatures down to 0°C with no restriction on relative humidity. However COPON POLYCOTE MIO should not be applied during rain / snow or when precipitation is likely to occur before the coating has achieved a 'touch dry' state.
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**METHOD** COPON POLYCOTE MIO can be applied by brush, airless or conventional spray.

**Typical Spray Settings Are:**

**Airless Spray**

Minimum 32:1 pump ratio  
Needle Setup 1.4 - 1.8 mm  
Tip pressure 3000-3500 psi

**Conventional Spray**

Pressure Pot  
Needle Setup 1.4 - 1.8 mm

COPON POLYCOTE MIO does not normally require thinning for spray application, where thinning is required up to 5-10% COPON PU71 THINNERS may be added by volume.

**Note:** When airless spray is being used, excessively high tip spraying pressures should be avoided. The minimum pressure at the pump conducive with good atomisation should be used.

Clean all equipment after use with COPON PU71 THINNERS.

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## DRYING AND CURE TIMES AT 20°C

Touch Dry	1 hour
Hard Dry	4 hours
Minimum Overcoating	4 hours
Maximum Overcoating	21 days (with COPON POLYCOTE MIO) 7 days (with COPON POLYCOTE FINISH)

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## HEALTH & SAFETY

1. In the wet state COPON POLYCOTE MIO is flammable.
2. Adequate ventilation must be provided during use.
3. Undue contact with the skin should be avoided.

**NOTE:** Full Health & Safety Data is available from E Wood Ltd.

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## PACKAGING AND STORAGE

Supplied in 5 Litre Units.

Use within 12 months of purchase. Opened containers should be fully used as opened containers have reduced shelf life. Store in original sealed containers at temperatures between 5°C and 30°C.

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**Copon System Recommendations take precedence over individual Copon Product data sheets and are available on request.**



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