



# COPON POLYCOTE ALUMINIUM PRIMER

## PRODUCT DESCRIPTION

SINGLE COMPONENT SOLVENT BASED MOISTURE CURED POLYURETHANE COATING  
COPON POLYCOTE ALUMINIUM PRIMER has been developed as a highly effective corrosion resistant primer for both abrasive blast cleaned and manually prepared steel substrates.

COPON POLYCOTE ALUMINIUM PRIMER is also suitable for application over sound and aged existing coatings.

COPON POLYCOTE ALUMINIUM PRIMER has been formulated for use in many corrosive conditions and where a high degree of chemical or solvent resistance is required.

COPON POLYCOTE ALUMINIUM PRIMER serves as an excellent primer to a number of Copon Polycote and Copon Polyurethane Finish Coatings and can also be used as a multicoat primer/finish coating system.

**Standard Colour Availability**    Manufactured only in a silver grey shade.

## GENERAL PROPERTIES

<b>Adhesion</b>	Excellent to correctly prepared surfaces.
<b>Chemical Resistance</b>	Excellent resistance to a wide range of chemicals and solvents.

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average by Volume)</b>	55%
<b>Specific Gravity (Average)</b>	1.1
<b>V.O.C. (As Supplied)</b>	353gm/litre NOTE: Thinning for spray application will increase the applied V.O.C.
<b>Film Thickness (Typical)</b>	Wet 90 microns Dry 50 micron When product is thinned appropriate adjustment to wet film thickness should be made.
<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>	11 sq. metres per litre at 50 microns dft

## SURFACE PREPARATION

<b>Steel</b>	Surfaces should be preferably blast cleaned to a minimum Sa 2 in accordance with BS 7079 Part A1 or equivalent, however for many applications manual preparation using grinders or wire brush will give acceptable performance.
<b>Non Ferrous Metals</b>	Alu-zinc, galvanised and other non ferrous metal surfaces need only thorough cleaning and degreasing no mechanical preparation is required.
<b>Existing Coatings</b>	Prior to full application, a trial application should be carried out to check compatibility. All surfaces should be sound, free from oil and grease.

## MIXING

<b>Number of Components</b>	Single component material.
<b>Mixing Ratio</b>	Supplied ready for use.

## APPLICATION

**Conditions for Application** Provided the prepared surface is dry and free from condensation or ice, COPON POLYCOTE ALUMINIUM PRIMER can be applied at temperatures down to 0°C with no restriction on dew point or relative humidity. However COPON POLYCOTE ALUMINIUM PRIMER should not be applied during rain/snow or where precipitation is likely to occur before the coating has achieved a "touch dry" state.

**METHOD** COPON POLYCOTE ALUMINIUM PRIMER can be applied by brush or spray.

**Typical Airless Spray Settings** Minimum 32:1 pump ratio  
Tip Size 13-17 thou  
Tip Pressure 2500 psi

**Conventional Spray** Pressure Pot  
Needle Setup 1.4 - 1.8mm

COPON POLYCOTE ALUMINIUM PRIMER may require thinning for spray application, where thinning is required up to 5-10% COPON PU 71 THINNERS may be added by volume.

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

Clean all equipment after use with COPON PU 71 THINNERS.

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## DRYING AND CURE TIMES AT 20°C

Touch Dry	1 hour
Hard Dry	4 hours
Minimum overcoating	2 hours
Maximum overcoating	7 days (with COPON POLYCOTE ALUMINIUM PRIMER) 21 days (with COPON POLYCOTE MIO) 24 hours (with COPON POLYCOTE FINISH)

**Note:** For overcoating with other products please refer to the Copon Technical Centre.

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## HEALTH & SAFETY

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

**NOTE:** Full Health and 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.

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



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