



RT98 Accreditation

Highways Agency Registration

PRODUCT DATA
COPON
POLYCOTE
PRIMER

PRODUCT DESCRIPTION

SINGLE COMPONENT SOLVENTED MOISTURE CURED ANTI-CORROSIVE PRIMER
COPON POLYCOTE PRIMER has been specifically developed as an anti-corrosive primer for both abrasive blast cleaned and manually prepared steel surfaces. COPON POLYCOTE PRIMER is suitable for use in highly corrosive conditions and where high resistance to chemicals and solvents is required. COPON POLYCOTE PRIMER is designed to be overcoated with a variety of Copon Polycote materials.

Standard Colour Availability Manufactured only in Red Oxide.

GENERAL PROPERTIES AND APPROVALS

Adhesion	Excellent to correctly prepared surfaces.
Chemical Resistance	Excellent resistance to a wide range of chemicals and solvents.
Railtrack 98	Item Number 6.1.1
Highways Agency Registration	Item Number 160

PHYSICAL CONSTANTS

Total Solids Content (Average) by Volume	65%
Specific Gravity (Average)	1.4
V.O.C.	334gms/litre Note: Thinning for spray application will increase the applied V.O.C
Film Thickness (Typical)	Wet 80-110 microns Dry 50-70 microns
NOTE:	The thickness to be applied should be agreed between the specifier and the manufacturer dependent on operational performance requirements.
Theoretical Coverage Rate	9 sq. metres per litre at 70 microns dft

SURFACE PREPARATION

Steel	Surfaces should be preferably blast cleaned to a minimum Sa 2 ^{1/2} BS 7079 Part A1 or equivalent. Surfaces can also either be manually cleaned using grinders or wire brush to St3 in accordance with BS7079 Part D3 or wet abrasive blast cleaned.
Existing Coatings	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

Number of Components	Single component material.
Mixing Ratio	Supplied ready for use.

APPLICATION

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

(continued overleaf)

Typical spray settings are:-

Airless Spray

Minimum 32:1 pump ratio
Tip Size 11-15 Thou orifice
Tip pressure approx. 3000-3500 psi

Conventional Spray

Pressure Pot. Needle Setup 1.4 - 1.8mm
COPON POLYCOTE PRIMER does not normally require thinning for spray application, where thinning is required upto 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.

DRYING AND CURE TIMES AT 20°C

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

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

HEALTH & SAFETY

1. In the wet state COPON POLYCOTE 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.

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 Recommendation take precedence over individual Copon Product Data sheets and are available on request.



E WOOD LTD
STANDARD WAY
NORTHALLERTON
NORTH YORKS
DL6 2XA

TEL 01609 780170
FAX 01609 780438/777905(General)
FAX 01609 788718 (Technical)
E-MAIL copon@ewood.co.uk
URL: <http://www.copon.co.uk>