



RT98 Accreditation
Highways Agency Registration

PRODUCT DATA
COPON
POLYCOTE
FINISH

PRODUCT DESCRIPTION

SINGLE COMPONENT SOLVENTED MOISTURE CURED POLYURETHANE FINISH

COPON POLYCOTE FINISH has been specially developed as a colour stable finish coat with excellent resistance to 'chalking', abrasion and flexing characteristics and can be applied by various methods.

COPON POLYCOTE FINISH is normally applied over COPON POLYCOTE MIO intermediate coats or certain Polycote Primers.

COPON POLYCOTE FINISH can also be used as a cosmetic finish system over Copon Hycote 152LV and 152LVAS.

COPON POLYCOTE FINISH is suitable for use in highly corrosive conditions and where high resistance to chemicals and solvents is required.

Standard Colour Availability: Manufactured in a semi or full gloss finish to a select range of BS381C, BS4800, NCS, Munsell and RAL colour standards subject to minimum batch manufacture.

GENERAL PROPERTIES AND APPROVALS

Adhesion	Excellent to correctly primed surfaces.
Chemical Resistance	Excellent resistance to a wide range of chemicals and solvents.
Railtrack 98	Item Number 6.1.3
Highways Agency Registration	Item Number 164

PHYSICAL CONSTANTS

Total Solids Content (Average) by volume	50-55% (Depending upon colour and gloss level)
Specific Gravity (Average)	1.17
V.O.C. (As Supplied)	400 gm/litre NOTE: Thinning for spray application will increase the applied V.O.C.
Film Thickness (Typical)	Wet 100 microns Dry 50 microns When product is thinned appropriate adjustment to wet film thickness should be made.
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on the operational performance requirements.
Theoretical Coverage Rate	10 sq. metres per litre at 50 microns dft

SURFACE PREPARATION

Surfaces should be prepared and primed with the appropriate COPON POLYCOTE Primer / Intermediate system. Primed surfaces should be clean and free from contamination.

Note: If overcoating interval is exceeded, abrasion of the Primer or MIO coat is essential.

MIXING

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

(continued overleaf)

APPLICATION

Conditions for Application Provided the prepared surface is dry and free from condensation or ice, COPON POLYCOTE FINISH can be applied at temperatures down to 0°C with no restriction on relative humidity. However COPON POLYCOTE FINISH 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 FINISH is primarily designed for application by brush, but can also be applied by airless or conventional spray.

Typical spray settings are as follows:-

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 FINISH 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.

DRYING AND CURE TIMES AT 20°C

Touch dry	2-3 hours
Hard dry	16 hours
Minimum overcoating	4 hours
Maximum overcoating	7 days

HEALTH & SAFETY

1. In the wet state COPON POLYCOTE FINISH 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.

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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