



RT98 Accreditation

**COPON
ANTI GRAFFITI
POLYURETHANE**

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT BASED POLYURETHANE FINISH COATING

COPON ANTI GRAFFITI POLYURETHANE is designed for use as a highly durable finish with excellent anti-graffiti properties. COPON ANTI GRAFFITI POLYURETHANE offers outstanding colour retention and weather resistance and is unaffected by U.V. Light. The product is widely specified and used in many industries where a high performance gloss or semi-gloss finish is required and particularly where graffiti requires easy removal. When applied over COPON EA9 Primer a low surface spread of flame classification is achieved together with low smoke emission properties.

Standard Colour Availability Can be manufactured to selected BS 381C, BS4800 or RAL standard colours subject to minimum batch manufacture.

GENERAL PROPERTIES AND APPROVALS

Adhesion Excellent to correctly prepared and primed surfaces.
Corrosion Resistance Unaffected by salt water or aggressive industrial environments.
Chemical Resistance Excellent resistance to oils, fats, aqueous solution and most industrial chemicals.
Temperature Dry heat resistance up to 100°C.
Railtrack 98 Item Number 5.7.4

FIRE PERFORMANCE TEST DATA

COPON ANTI GRAFFITI POLYURETHANE systems have been extensively tested on a wide variety of substrates to a range of British Standards. Full test details are available on request from the E.Wood Technical Centre. Tests carried out include:-

BS476 - Part 7 Class 1 Surface Spread of Flame
 BS476 - Part 6 Class 0 in accordance with UK Building Regulations
 BS6853 - Annex D Section 8.4 (Panel Test)
 Note: Toxicity values 'R' in accordance with BS6853 Annex B are also available from the E.Wood Technical Centre.

PHYSICAL CONSTANTS

Total Solids Content (Average) by Volume 52%
Specific Gravity (Average Mixed) 1.15
V.O.C. (As supplied) 420g/litre. Note: Thinning for spray application will increase the applied V.O.C.
Film Thickness (Typical) Wet 95 microns Dry 50 microns
Note: The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements.
Theoretical Coverage Rate 10.40 sq. metres per litre at 50 microns dft

SURFACE PREPARATION

METHOD Surfaces should be prepared and primed with the appropriate primer in accordance with the appropriate COPON SYSTEM RECOMMENDATION. The primed surface should be clean, dry and free from oil, grease or other contamination

MIXING

Number of Components Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume) 3 parts Base component. 1 part Activator component.
Pot (Usable) Life Approximately 2 hours at 20°C
Method of Mixing Stir the contents of the Base component. Continue stirring and gradually add the total contents of the Activator component, continue stirring until a homogenous mix is obtained.

APPLICATION

- Conditions of Application**
- a) Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.
 - b) Minimum temperature for application is 2°C.

METHOD COPON ANTI GRAFFITI POLYURETHANE can be applied by brush, roller, conventional or airless spray.

Typical spray settings are:-

Airless Spray	30:1 pump ratio minimum Tip Size 11-15 Thou orifice; Tip pressure approx. 2000 psi (145 Bar)
Conventional Spray	Pressure Pot Needle Setup 1.1 - 1.8 mm

COPON ANTI GRAFFITI POLYURETHANE should be thinned for spray application, up to 30% COPON PU71 THINNERS may be added by volume.

Good quality brushes and mohair rollers should be used for these methods of application.

Clean all equipment immediately after use with COPON PU71 THINNERS.

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

DRYING AND CURE TIMES AT 20°C

Touch Dry	- 2 hours
Hard Dry	- 16 hours
Overcoating	- Minimum 2 hours - Maximum 24 hours
Full Cure	- 7 days

HEALTH & SAFETY

1. In the wet state COPON ANTI GRAFFITI POLYURETHANE is highly 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 Limited.

PACKAGING AND STORAGE

Supplied in 4 litre packs

Use within 2 years of purchase.

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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