



PRODUCT DESCRIPTION

A TWO COMPONENT SOLVENT FREE URETHANE COATING

COPON HYCOTE 165BG has been developed as the brush applied version of a series high build solvent free urethane coating system suitable for the long term maintenance free protection of cementitious and metallic substrates.

COPON HYCOTE 165BG is specifically designed for brush application. As such it permits single coat applications of between 500 microns and 1 mm dft.

COPON HYCOTE 165BG is formulated to combine outstanding abrasion and impact resistance with a significant degree of flexibility. Accordingly, this coating is specified and used extensively for diverse applications including the internal and external protection of pipe sections and weld joints, suitably sized tanks and vessels, as well as building and engineering structures and fabrications where spray applications is neither practical nor cost effective.

Standard Colour Availability Cream or 12B21. Other colours formulated to order when possible.

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion and mechanical damage.
Tensile Strength	2800 psi
Elongation	35%
Cathodic Disbondment	Exceeds specification requirements.
Dielectric Strength	>20Kv

PHYSICAL CONSTANTS

Total Solids Content (Average) by volume	100%
Specific Gravity (Average Mixed)	1.2
V.O.C.	Nil
Film Thickness (Typical)	750 microns to 1mm Wet/Dry.
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements. For spray application of this solvent free urethane coating or for a compatible high build repair material, please request product data on COPON HYCOTE 165 and COPON HYCOTE 165TG respectively.
Theoretical Coverage Rate	1 sq metre per litre at 1mm.

SURFACE PREPARATION

Steel surfaces should be abrasive blasted to Sa2½ BS7079 Part A1 1989 or equivalent with a surface profile of 75 microns. All dust and abrasive material should be removed from the surface prior to coating.

Concrete surfaces should be suitably prepared, clean and dry. In most situations a recommended primer/sealer coat will be required.

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	20 minutes at 20°C
Method of Mixing	Stir the Base component and whilst stirring add the activator component and mix thoroughly to produce a streak free homogeneous mix.

(continued overleaf)

APPLICATION

Conditions for Application Do not apply when the Relative Humidity exceeds 90% or when the surface to be coated is less than 3°C above the dew point.

METHOD COPON HYCOTE 165BG should be applied by brush to provide a uniform even coating. All equipment should be cleaned immediately after use with COPON PU 71 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	4 hours
Hard Dry	8 hours
Full Cure	7 days

Ideally COPON HYCOTE 165 BG should be applied as a single high build coat. If it is not practical to do so and a second coating application is needed to achieve the specified total dft, overcoating must be carried out within 24 hours of application of the previous coat. If the overcoating time is extended, thorough abrasion or flash blasting of the preceding coat must be carried out before overcoating. The minimum overcoating time will be determined by prevailing temperatures. Overcoating can be carried out as soon as the coating has cured sufficiently to allow brush application of the subsequent coat.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Undue skin contact should be avoided.

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

PACKAGING AND STORAGE

Supplied in 1 litre and 2 litre packs.

Use within 2 years of purchase. 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>