

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE URETHANE COATING

COPON HYCOTE 165HB 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 steel and concrete pipes, tanks and vessels, bridges and related building and engineering structures and fabrications. COPON HYCOTE 165HB is suitable in many different immersion conditions, including sea, foul and raw water; also in chemically polluted, marine or underground environments.

COPON HYCOTE 165HB is specifically designed for plural feed hot airless spray application. As such it permits single coat applications of between 0.5 mm and 2 mm dft.

COPON HYCOTE 165HB meets the requirements of British Gas Specification GBE/CW6 Pt 1 Jan 1993 for External Pipe Protection.

Standard Colour Availability Manufactured in Grey and 12B21. Other colours formulated to order when possible.

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion and mechanical damage.
Tensile Strength	197 kg/cm ² (2800 psi)
Elongation	50%
Cathodic Disbondment	Exceeds specification requirements.
Dielectric Strength	>20Kv

PHYSICAL CONSTANTS

Total Solids Content (Average) by Volume	100%
V.O.C	Nil
Specific Gravity (Average mixed)	1.3
Film Thickness (Typical)	1 mm Wet/Dry
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational requirements.
Theoretical Coverage Rate	1 m ² per litre at 1 mm

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)	4 parts Base component. 1 part Activator component.
Pot (Usable) Life	4-6 minutes at 50-60°C
Method of Mixing	Plural feed hot airless spray mixed automatically at spray head. Material temperature 50-60°C.

APPLICATION

- Conditions** 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.
- METHOD** COPON HYCOTE 165HB should be applied by plural feed airless spray equipment. The Base component should be heated such that the temperature at the spray tip is 50-60°C. Further advice on equipment and application procedures is available from the Copon Technical Services Department.
- All equipment must be cleaned immediately after use using COPON PU 71 THINNERS.

DRYING AND CURE TIMES AT 20°C

- Touch Dry - 3 hours
Hard Dry - 6 hours
Full Cure - 7 days
Overcoating - minimum 2 hours
- maximum 24 hours

Ideally COPON HYCOTE 165HB should be applied as a single high build coat. If a second coat is required for any reason, thorough mechanical abrading or flash blasting of the first coat should be carried out once the coating is hard dry.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Suitable vapour masks should be worn for spray application.
3. Undue skin contact should be avoided.

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

PACKAGING AND STORAGE

Base and activator supplied separately in 18 and 180 litre units (4 base and 1 activator).

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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