



PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE EPOXY COATING

COPON HYCOTE 162 HB has been developed as a high build impervious internal lining for pipes and can also be used as an external protective coating where abrasion resistance is required.

COPON HYCOTE 162 HB, backed by 30 years experience with solvent free epoxy coatings, is also recommended for the lining of concrete or steel tanks, culverts and bund walls where chemical spillage occurs. The product is resistant to a whole range of aqueous chemicals, industrial effluent, sewage, seawater, raw water etc., and is suitable for sour gas and oil service.

COPON HYCOTE 162 HB is a protective coating purposely designed for application by dual feed hot plural spray equipment to give up to 1 mm dry film thickness.

Standard Colour Availability Manufactured in a Light Grey and Red Colour

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion and mechanical damage
Adhesion	Excellent on correctly prepared and primed surfaces.
Erosion	Excellent erosion resistance particularly recommended for immersion in aqueous slurries.
Chemical Resistance	Recommended as a protective lining against a wide range of chemical immersion conditions. (Advice can be provided by E. Wood Limited on resistance to any particular chemical).
Temperature	Up to 100°C depending upon chemicals involved.

PHYSICAL CONSTANTS

Total Solids Content by volume	100%
(Average) by volume	
Specific Gravity	1.5
(Average Mixed)	
V.O.C.	NIL
Film Thickness (Typical)	Wet 500 microns Dry 500 microns
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements.
Theoretical Coverage Rate	2.0 sq. metres per litre at 500 microns dft. 1.0 sq. metres per litre at 1 mm dft.

SURFACE PREPARATION

METHOD	a) Steel Surfaces - All steel surfaces to be treated should be abrasive blast cleaned to a minimum SA2½ BS 7079: Part A1 1989 or equivalent. b) Concrete Surfaces - All concrete surfaces to be coated should be prepared by either lightly abrasive blast cleaning using wet abrasive or dry techniques or alternatively high pressure water jetting. Care should be taken not to expose the aggregate. All dust and abrasive material shall be removed from the surface prior to coating. A sealer coat of COPON HYCOTE 630 may be required.
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MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume)	2 parts Base component. 1 Part Activator component.
Pot (Usable) Life	Approximately 45 minutes at 40°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 homogeneous mix is obtained.

(continued overleaf)

APPLICATION

Conditions for Application a) 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.
b) Minimum temperature for application is 5°C.

METHOD COPON HYCOTE 162 HB should be applied by plural feed hot airless spray.
COPON HYCOTE 162 HB is also capable of being applied by roller or brush for small areas.

Plural Feed Hot Airless Spray: Both the Base and Activator component should be heated to 35-65 this upper temperature must not be exceeded. Both base and activator should be agitated to avoid hot spots within the material. Tip size and fan width will vary, dependant on thickness to be deposited and the geometry of the article to be coated, however orifice size would normally be in the range of 17-23 thou, with a tip pressure of up to 4000 psi.
Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	6 hours
Hard Dry	16 hours
Full Cure	7 days
Minimum Overcoating	16 hours
Maximum Overcoating	72 hours

Ideally COPON HYCOTE 162 HB should be applied as a single high build coat. If a subsequent coat is required or any reason thorough mechanical abrading or 'flash blasting' of the first coat must be carried out.

HEALTH & SAFETY

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

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

PACKAGING AND STORAGE

Supplied in 1 litre packs or the base and activator supplied seperately in 18 and 180 litre containers (2 base and 1 activator)
Use within 5 years of purchase. Store in original sealed containers at temperatures between 5°C and 40°C.

Copon System Recommendations take precedence over individual Copon Product Data Sheets and are available on request.



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