

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE INSTANT SETTING URETHANE COATING

COPON HYCOTE 170EL is specifically designed for twin feed hot airless spray application.

COPON HYCOTE 170EL can be applied at thicknesses from 1-5mm in a single spray application.

COPON HYCOTE 170EL cures rapidly to provide a tough, flexible lining with excellent resistance to impact, abrasion and chemicals over a wide temperature range, and is ideal for lining and external protection of concrete tanks, containment areas, sewage treatment tanks, paper pulp and stock tanks, channels and outlets, and substrate stabilisation.

COPON HYCOTE 170EL is ideal for use with textile fabrics to form insitu linings for lagoons, bunds and reservoirs.

Standard Colour Availability Manufactured in Green.

GENERAL PROPERTIES

Ultimate Tensile Strength	12 MPa
Elongation	400%
Hardness	80 Shore A
Flexural Modulus	7 MPa
Tear Strength	40KN/m

PHYSICAL CONSTANTS

Total Solids Content	100%
(Average) by Volume	
V.O.C	Nil
Theoretical Coverage Rate	1m ² per litre at 1mm thickness

SURFACE PREPARATION

METHOD Concrete surfaces should be lightly abrasive blasted. All dust and abrasive material should be removed from the surface prior to coating. Primers/sealers should be used where required, for detailed recommendations contact the Copon Technical Centre.

MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio	1 part Base component.
(by volume)	1 part Activator component.
Pot Life (Gel Time)	15 seconds
Method of Mixing	Dual feed hot airless spray mixed automatically at spray head.

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. Minimum application temperature 5°C.
METHOD Plural feed Hot Airless Spray:	COPON HYCOTE 170 EL should be applied by plural feed hot airless spray. Both the Base and Activator component should be heated to 40-70°C, 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 19-24 thou, with a tip pressure of up to 4000 psi.
	Further advice on equipment and application procedures is available from the Copon Technical Services Department.
Cleaning	All equipment must be cleaned immediately after use using METHYLENE CHLORIDE.

DRYING AND CURE TIMES AT 20°C

Gel Time	- 15 seconds
Dry to Handle	- 1 minute
Full Cure	- 24 hours

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

Supplied separately in 18 litre and 200 litre Base and Activator units (1 Base and 1 Activator)
Use within 5 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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