

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE URETHANE COATING

COPON HYCOTE 165XF is a rapid curing coating and lining system for steel and concrete substrates and polyolefin coated pipelines.

COPON HYCOTE 165XF is suitable for use under water, in marine and aggressive environments and has a high degree of chemical and abrasion resistance.

COPON HYCOTE 165XF is also suitable as a high build encapsulation system for many substrates where a degree of flexibility is required.

COPON HYCOTE 165XF is specifically designed for twin feed hot airless spray application, and allows the application of any desired thickness from 0.5mm up to 3 mm in a single application.

COPON HYCOTE 165XF offers rapid application under most environmental conditions and can be applied in cold, humid conditions.

Standard Colour Availability Manufactured in 12B21

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion, impact and mechanical damage.
Tensile Strength	2800 psi
Elongation	25%

PHYSICAL CONSTANTS

Total Solids Content	100%
(Average By) Volume	
Specific Gravity	1.46
(Average Mixed)	
V.O.C.	Nil
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 performance requirements.
Theoretical Coverage Rate	1 m ² per litre at 1 mm thickness

SURFACE PREPARATION

Steel surfaces should be abrasive blasted to Sa2½ BS 7079 Part A1 1989 or equivalent with a surface profile of 75-100 microns. All dust and debris should be removed from the surface prior to coating.

Concrete surfaces should be light abrasive blasted and all resulting dust and debris completely removed.

Polyolefin surfaces should be thoroughly abraded or scarified.

MIXING

Number of Components	Supplied separately as Base and Activator components.
Mixing Ratio	3 parts base Component
(By Volume)	2 part Activator Component
Pot (Usable) Life	2 mins at 20°C
Method of Mixing	Through plural hot airless spray equipment mixed automatically at spray-head. For specific details contact Copon E Wood Limited Technical Centre.

APPLICATION

Conditions for Application	Do not apply when the surface to be coated is less than 3°C above the dew point.
METHOD	COPON HYCOTE 165 XF can only be applied by specially designed and approved plural feed airless spray equipment. Material temperatures for optimum application will be determined by the specific equipment employed. Advice on equipment and application procedure must be sought from the Copon Technical Centre,

DRYING AND CURE TIMES AT 20°C

Dry to Handle	- 15 mins
Hard Dry	- 1½ - 2 hours
Water Immersion	- 8 mins
Full Cure	- 7 days
Chemical Resistance	- 48 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

Base and Activator supplied separately in 18 litre units (3 base and 2 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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