



Approved under Regulation
31(4)(a) for Factory
and On Site
In Situ Applications



PRODUCT DATA
COPON
HYCOTE
160 PW

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE EPOXY COATING

COPON HYCOTE 160 PW has been specifically developed for the long term protection of steel storage and process tanks or vessels, pumps, valves and other water retaining structures and related steelwork immersed or in contact with potable water.

COPON HYCOTE 160PW is designed for application by plural feed hot spray, brush or roller.

Standard Colour Availability Manufactured in a Pale Grey.

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion and mechanical damage
Adhesion	Excellent on correctly prepared surfaces.
Erosion	Excellent erosion resistance particularly recommended for immersion in aqueous slurries.
Potable Water	Satisfies the requirements of BS6920 for contact with potable water. Approved under Regulation 31 (4)(a) of the Water Supply (Water Quality) Regulations 2000 for contact with potable water. To comply with the conditions of approval under Regulation 31 (4) (a) COPON HYCOTE 160 PW must be applied in accordance with the approved Instruction For Use Document (Copon System Recommendation 10T-60) available from Copon Technical Centre at E. Wood Ltd on request.

PHYSICAL CONSTANTS

Total Solids Content (Average) by volume	100%
Specific Gravity (average mixed)	1.36
V.O.C (As Supplied)	Nil
Film Thickness (Typical)	Wet/ Dry 500 microns
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance criteria.
Theoretical Coverage Rate	2 sq metre per litre at 500 microns dft.

SURFACE PREPARATION

METHOD	Steel Surfaces - All steel surfaces to be coated should be abrasive blast cleaned to a minimum Standard SA2½ BS7079 Part A1 1989 or equivalent to give a nominal 75 micron profile.
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MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume)	1.5 parts Base component. 1 part Activator component.
Pot (Usable) Life	30 minutes at 20°C.
Method of Mixing (for brush and roller application)	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 7°C.

METHOD COPON HYCOTE 160 PW can be applied by plural feed hot airless spray equipment. COPON HYCOTE 160 PW is also capable of being applied by roller or brush.

Plural Feed Hot Airless Spray Both the Base and Activator component should be heated so that the temperature at the tip is between 35°C and 65°C dependant on the method of application and the equipment being used. 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. Further advice on equipment and application procedures is available from the Copon Technical Services Department.

Brush and Roller Good quality brushes should be used for this method of application. COPON HYCOTE 160 PW should be applied to give a uniform even coating thickness, and best results are achieved when material and substrate temperatures are above 10°C.

Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	16 hours
Hard Dry	24 hours
Full Cure	7 days

Details of the overcoating times are available from the E Wood Technical Centre.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Undue contact with the skin should be avoided.
3. This material is 100% solvent free.

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

PACKAGING AND STORAGE

Supplied in 1 litre composite packs or the Base and Activator supplied separately in 18 or 180 litre units (multiples of 3 base and 2 activator).

Use within 5 years of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.



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