PRODUCT DATA

COPON HYCOTE POLYNOX

PRODUCT DESCRIPTION

SINGLE COMPONENT WATER-BORNE ANTI-CORROSIVE COATING

COPON HYCOTE POLYNOX high performance anti-corrosive coating systems have been developed primarily for long term corrosion protection and encapsulation of previously coated structures.

COPON HYCOTE POLNOX as a single component water-borne coating demonstrates superior corrosion resistance to a wide range of traditional solvented paints.

COPON HYCOTE POLYNOX is designed as a self finishing system.

COPON HYCOTE POLYNOX, being water-borne, is safe to use and presents no hazards in storage or during application.

Standard Colour Availability	Manufactured in a limited range of low-gloss colours, (subject to minimum batch manufacture).

GENERAL PROPERTIES AND APPROVALS

Corrosion Resistance	Outstanding resistance on correctly prepared surfaces at the appropriate dft.
Impact Resistance	Excellent impact resistance.
Application	Suitable for a wide range of application methods including airless spray.
Elongation	250%

PHYSICAL CONSTANTS

Total Solids Content (Average) by Volume	60%
V.O.C.	Nil.
Film Thickness (Typical)	Wet 585 microns. Dry 350 microns **Note:** The required application thickness should be agreed between the specifier and the manufacturer to meet the operational performance requirements.
Theoretical Coverage Rate	1.7m² per litre at 350 microns dft.

SURFACE PREPARATION

METHOD	Surfaces should be degreased and free from dirt, rust and other contamination. Rust should be removed by wire brush, high pressure water jetting or mechanical grinding Any resultant dust and debris must be removed prior to application.

MIXING

Number of Components	Single component material supplied ready for use.
Method of Mixing	Stir contents of container thoroughly prior to use.

APPLICATION

Conditions for Application	Do not apply when Relative Humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.
METHOD	COPON HYCOTE POLYNOX is supplied for application by airless and air assisted airless, spray. Application can also be carried out using pressure pot conventional spray on small components or by brush/roller for touch up work. For details contact Copon Technical Centre.

(continued overleaf)

Typical Airless Spray Settings are:-

Minimum 32:1 pump
15-19 Thou Tip
3000 - 3500 Tip Pressure

Spray equipment should be fitted with a 100 mesh inline filter.

Further advice on equipment and application procedures is available from the Copon Technical Centre.
Prior to use (especially where solvent based products have been used previously) equipment should be first flushed with water miscible solvent (such as COPON 3000 CLEANING SOLVENT) followed by clean water.
After use, the equipment should be washed out with water. If solvent based products are then to be used, the equipment should now be flushed with water miscible solvent.

DRYING AND CURE TIMES AT 20°C

Touch Dry	50-60 minutes*
Hard Dry	24 hours
Min. Overcoating	60 minutes*
Full Cure	7 days

* Note - Touch Dry Time and Minimum Overcoating Time are for open areas with good air movement. Drying will be extended in enclosed areas with limited air movement.

HEALTH & SAFETY

1. COPON HYCOTE POLYNOX is a water-borne system and does not present any health hazard during normal industrial use.
2. Skin contact should be avoided. Any affected areas should be washed with soap and water.
3. Where eye contact occurs, the eye should be washed immediately with copious quantities of clean water.

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

PACKAGING & STORAGE

Supplied in 5 and 20 litre units.

Use within 2 years of date of purchase.Store in original sealed containers at temperatures between 5°C and 30°C.

Protect from frost during storage and use.

Copon System Recommendations take precedence over individual Copon product data sheets and are available on request.

COPON
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