COPON
HIGH PERFORMANCE PROTECTIVE COATINGS

Authorised for use under Regulation 31(4)(a) for Factory, On Site and In Situ Applications

NSF Certified to ANSI/NSF 61

WRAS APPROVED PRODUCT

PRODUCT DATA

COPON HYCOTE 162 PWX

PRODUCT DESCRIPTION
TWO COMPONENT SOLVENT FREE EPOXY COATING

COPON HYCOTE 162 PWX has been specifically developed for the long term protection of concrete and steel, drinking water pipelines, storage and process tanks or vessels and other water retaining structures and related steelwork immersed or in contact with potable water. As a solvent free material COPON HYCOTE 162 PWX is designed for high build single coat applications; by either plural feed hot spray equipment, brush or roller.

Standard Colour Availability Manufactured in a Pale Grey or Water Industry Blue.

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.

Temperature Suitable for use up to 80°C depending upon chemicals involved.

Potable Water Approved for contact with potable water under the United Kingdom Water Regulations Advisory Scheme. Authorised for use 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 162 PWX must be applied in accordance with the approved Copon System Recommendation available from Copon Technical Centre at E. Wood Ltd on request.

PHYSICAL CONSTANTS

Total Solids Content (Average) by volume 100%

Specific Gravity (Average Mixed) 1.48

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, however, for NSF certified applications the maximum approved thickness is 1mm (40 mil).

Theoretical Coverage Rate 2 sq metre per litre at 500 microns dft.

SURFACE PREPARATION

METHOD

(a) Steel Surfaces - All steel surfaces to be coated should be abrasive blast cleaned to a minimum Standard SA21/2 BS7079 Part A1 1989 or equivalent to give a nominal 75 micron profile.

(b) Concrete Surfaces - All concrete surfaces to be coated should be prepared by either lightly abrasive blast cleaning using wet abarasive 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. In most situations a recommended primer/sealer coat will be required.

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 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.
(c) Stripe coat application

To maintain the specified film thickness at welds, edges, around bolt holes and other sharp protuberances a stripe coat of COPON HYCOTE 162PW should be applied prior to carrying out the overall application of COPON HYCOTE 162PWX.

Note: Depending on temperature and humidity during application and cure some residual surface tack/bloom may become apparent. This is a perfectly normal occurrence and will disappear upon contact with water during normal flushing and/or disinfectant operations.

METHOD

COPON HYCOTE 162 PWX can be applied by plural feed airless spray equipment. COPON HYCOTE 162 PWX is also capable of being applied by roller or brush for small applications.

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 162 PWX 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	4 hours
Hard Dry	6 hours
Full Cure	7 days

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

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