

**PRODUCT DESCRIPTION**  
**TWO COMPONENT WATER-BORNE EPOXY COATING**

COPON HYCOTE EA9WB-XB, a specially developed member of the expanding range of Copon Hycote EA9 WB water-borne two component coatings is ideally suited for floor surfaces to provide a very fast drying flooring system. It has been formulated to produce a very hard wearing coating film offering long term durability.

COPON HYCOTE EA9WB Systems have been extensively tested for limited fire hazard performance. Accordingly it is widely used throughout the Rail Industry especially for underground locations and increasingly in Original Equipment Manufacture involving other forms of passenger transportation, heavy engineering fabrication and civil engineering work especially for underground and confined locations.

**Standard Colour Availability** Manufactured and stocked only to order and can be matched in a low gloss finish to a select range of BS 381C, BS4800 and RAL Colour Standards subject to minimum batch manufacture.

**GENERAL PROPERTIES**

**Abrasion** Good resistance to abrasion and mechanical damage.  
**Adhesion** Excellent on correctly prepared surfaces.  
**Chemical Resistance** The fully cured coating offers outstanding resistance to aqueous solutions and a wide range of industrial chemicals.  
**Temperature** Dry service temperature range up to 100°C.

**FIRE PERFORMANCE TEST DATA**

COPON HYCOTE EA9WB Systems have been extensively tested to a range of internationally recognised standards and COPON HYCOTE EA9WB-XB utilises the same resin technology.

**PHYSICAL CONSTANTS**

**Total Solids Content (Average) by Volume** 50%  
**VOC (as Supplied)** 44gm / litre  
**Specific Gravity (Average Mixed)** 1.06  
**Film Thickness (Typical)** Wet 100 microns. Dry 50 microns  
**Note:** The required application thickness should be agreed between the specifier and the manufacturer dependant on operational performance requirements.  
**Theoretical Coverage Rate** 10 m<sup>2</sup> per litre at 50 microns dft.

**SURFACE PREPARATION**

**METHOD** All surfaces should be thoroughly degreased.  
**Concrete** Surfaces must be clean, dry and free from oil and grease. All laitence must be removed by mechanical abrasion or light abrasive blasing. All dust and loose material must be removed.  
**Existing Coatings** The surface should first be degreased using an approved solvent or detergent solution, then mechanically abraded. All loose flaking material and abrasive dust must be removed.  
**Tiles** Surfaces must be free from dirt, oil, grease and other contamination. For wet surface conditions, the surface of the tile must be mechanically abraded or lightly abrasive blasted.  
**NOTE:** All floors operating in wet service conditions should always be mechanically abraded or lightly abrasive blasted.

**MIXING**

**Number of Components** Supplied ready for use in two parts: Base component and Activator component.  
**Mixing Ratio (by volume)** 5 parts Base component.  
 1 part Activator component.  
**Pot (Usable) Life** Approximately 2 hours at 20°C. (See note in application section)  
**Method of Mixing** Stir the contents of the base component. Continue stirring whilst gradually adding the total contents of the activator container. Continue stirring until a homogeneous mix is obtained.

**Note** The use of a slow or variable speed mechanical mixer is beneficial in terms of ease and complete mixing.

## APPLICATION

**Conditions for Application** Application should not be carried out when air and surface temperatures are below 10°C nor when the relative humidity exceeds 70%.

**METHOD** COPON HYCOTE EA9WB-XB supplied ready for use can be applied by brush or roller.

**Brush** Brush application should be carried out using even brush strokes. COPON HYCOTE EA9 WB-XB should not be over brushed, which may lead to lower than specified coating thickness.

**Roller** COPON HYCOTE EA9 WB-XB should be spread evenly over the surface to give a film thickness of 100 microns (4 mil) wet. Periodic thickness checks should be made to ensure the correct uniform thickness is achieved.

**Note:** This product does not exhibit any visible end point on expiry of the stated usable life. The product will appear usable long after the quoted usable life. It is essential that the product is used within 2 hours of mixing, otherwise the properties of the film may be impaired.

## DRYING & CURE TIMES AT 20°C

Touch Dry (BS 3900 Part C2) -	1 hour
Hard Dry (BS 3900 Part C3) -	4 hours
Overcoating minimum -	2 hours
Overcoating maximum -	72 hours
Full cure -	7 days

## HEALTH & SAFETY

1. COPON HYCOTE EA9WB-XB is a water based 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 clean water.

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

## PACKAGING AND STORAGE

Supplied in 5 litre packs.

Use within 2 years 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.**



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