



## PRODUCT DESCRIPTION

### TWO COMPONENT WATER BASED EPOXY COATING

COPON EP 2306 WB is designed for use as a high performance protective coating on the internal surfaces of gas pipelines.

COPON EP 2306 WB combines good application characteristics with excellent corrosion protection and chemical resistance.

The cured coating withstands hydrostatic testing and pigging operations in service and makes a significant contribution to improved gas flow in service.

The use of COPON EP 2306 WB conforms to all major international specifications for gas pipeline coatings, including British Gas spec. CM1/CM2 and API 5RL2.

**Standard Colour Availability**      Manufactured only in a Red Oxide colour.

## GENERAL PROPERTIES

<b>Adhesion</b>	Excellent to blast cleaned surfaces
<b>Corrosion Resistance</b>	Excellent even under aggressive immersion conditions
<b>Chemical Resistance</b>	Unaffected by crude oil, natural gas, H <sub>2</sub> S and SO <sub>2</sub> mixtures.
<b>Temperature</b>	Suitable for use up to 100°C in dry service conditions.

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average) Volume</b>	47%
<b>Specific Gravity (Average Mixed)</b>	1.23
<b>V.O.C (As supplied)</b>	Nil
<b>Film Thickness (Typical)</b>	Wet 110 microns                      165 microns
	Dry 50 microns                         75 microns
When product is thinned appropriate adjustment to wet film thickness should be made.	

Note: The thickness to be applied should be agreed between the specifier and the manufacturer dependent on operational performance requirements.

<b>Theoretical Coverage Rate</b>	9m <sup>2</sup> per litre	6m <sup>2</sup> per litre
	at 50 microns d.f.t	at 75 microns dft

## SURFACE PREPARATION

**METHOD**      Steel Surfaces should be abrasive blasted to a minimum Standard of Sa2½ BS 7079: Part A1 1989 with a typical blast profile of 40-50 microns.

## MIXING

<b>Number of Components</b>	Supplied in two parts: Base component and Activator component
<b>Mixing Ratio (By Volume)</b>	8 part Base component 1 part Activator component
<b>Pot (Usable) Life</b>	Approximately 4 hours at 20°C
<b>Shelf Life</b>	Minimum 12 months in original sealed containers.
<b>Method of Mixing</b>	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.

## APPLICATION

**METHOD** COPON EP 2306 WB is designed for application by airless spray.

Typical airless spray settings are :-

**Airless Spray** Minimum 45:1 pump ratio  
Tip Size 19-23 Thou orifice  
Tip Pressure - 3000psi

**Cleaning** When switching from solvent based materials to COPON EP2306 WB equipment should be first flushed with water miscible solvent such as COPON 3000 CLEANING SOLVENT followed by clean water.

**Note** When airless spray is being used, excessively high tip spraying pressures should be avoided, the minimum pressure at the pump conducive to good atomisation should be used.

## DRYING AND CURE TIMES AT 20°C

Touch Dry - 1 hour  
Hard Dry - 4 hours  
Overcoating - min 2 hours  
max 7 days

## HEALTH & SAFETY

1. COPON EP 2306 WB is a water based system and does not present any health hazard during use.
2. Undue contact with the skin should be avoided.

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

## PACKING AND STORAGE

Supplied in either 5 and 20 litre packs, 200 litre & 1000 litre bulk containers (8 base and 1 activator)  
Use within 12 months 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.



E WOOD LTD  
STANDARD WAY  
NORTHALLERTON  
NORTH YORKS  
DL6 2XA

TEL 01609 780170  
FAX 01609 780438/777905(General)  
FAX 01609 788718 (Technical)  
E-MAIL [copon@ewood.co.uk](mailto:copon@ewood.co.uk)  
URL: <http://www.copon.co.uk>