

## PRODUCT DESCRIPTION

### TWO COMPONENT SOLVENT BASED EPOXY COATING

COPON EA4 2217 is designed for the internal protection of pipelines carrying a wider range of petrochemical products including aviation fuel, kerosene and crude oil mixtures.

COPON EA4 2217 is recognised worldwide as the standard coating for aviation fuel lines. The product combines a high degree of corrosion protection with excellent chemical resistance.

The use of COPON EA4 2217 reduces pigging costs, improves initial product purity and offers significant long term advantages in terms of product pumping costs as well as long term corrosion protection.

COPON EA4 2217 must be applied in accordance with the approved Copon System Recommendation produced for High Performance Internal Lining of Steel Pipework Carrying Jet Aviation Fuel And Other Refined Petroleum Products.

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

## GENERAL PROPERTIES AND APPROVALS

<b>Adhesion</b>	Excellent to both blast cleaned and manually prepared steel.
<b>Corrosion Resistance</b>	Excellent even under aggressive immersion conditions.
<b>Chemical Resistance</b>	Unaffected by crude oil mixtures, petrochemical product mixtures and most industrial chemicals.
<b>Aviation Fuel Resistance</b>	Approved worldwide for contact with aviation fuel.
<b>Temperature Resistance</b>	Suitable for use up to 100°C in dry service conditions.

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average) by Volume</b>	55%
<b>Specific Gravity</b>	1.40
<b>V.O.C. (As Supplied)</b>	400g/litre.
<b>NOTE:</b>	Thinning for spray application will increase the applied V.O.C.
<b>Film Thickness</b>	110-150 microns dft (minimum 100 microns, maximum 200 microns) Applied either in a single coat or as a two coat system - please refer to Copon System Recommendation 28P for more detailed information
<b>Theoretical Coverage Rate:</b>	5.0 sq metres per litre at 110 microns dft

## SURFACE PREPARATION

<b>METHOD</b>	Steel surfaces must be abrasive blasted to a minimum standard of Sa2½ BS7079 Part A1 1989 or equivalent, with a 'medium' profile in accordance with BS 7079 Part C3 1989.
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## MIXING

<b>Number of Components</b>	Supplied in two parts: Base component and Activator component.
<b>Mixing Ratio (by volume)</b>	4 parts Base component. 1 part Activator component
<b>Pot (Usable) Life</b>	Approximately 8 hours at 20°C
<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

<b>METHOD</b>	COPON EA4 2217 can be applied by brush, roller, conventional or airless spray with airless spray application being the preferred method.
<b>Typical spray settings are:</b>	
<b>Airless Spray</b>	45:1 pump ratio minimum Tip Size 19-27 thou Tip Pressure approx 2500 psi (175 Bar) Minimum
	COPON EA4 2217 may require thinning for spray application. If thinning is required, up to 10% COPON SA65 THINNERS may be added by volume. Good quality brushes and mohair rollers should be used for these methods of application. Clean all equipment immediately after use with COPON SA65 THINNERS.
<b>Note</b>	When airless spray is being used, excessively high tip spraying pressures should be avoided. The minimum pressure at the pump conducive with good atomisation should be used.

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## DRYING & CURE TIMES AT 20°C

<b>Touch Dry</b>	2 hours
<b>Hard Dry</b>	16 hours
<b>Full Cure</b>	7 days
<b>NOTE:</b>	Please refer to Copon System Recommendation 28P for additional information for guidance on overcoating times when applied as a two coat system.

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## HEALTH & SAFETY

1. In the wet state COPON EA4 2217 is highly flammable.
  2. Adequate ventilation must be provided during use
  3. Undue contact with the skin should be avoided.
- NOTE:** Full Health & Safety Data is available from E Wood Ltd.

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## PACKAGING AND STORAGE

Supplied in 5 and 20 litre packs.  
Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.

Copon System Recommendations take precedence over individual Copon Product Data Sheets and are available on request.



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