



Aviation Fuel Approved
Ease of Decontamination Approval

PRODUCT DATA
COPON
HYCOTE
162

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE EPOXY COATING

COPON HYCOTE 162 is a protective coating purposely designed for application by dual feed hot plural spray equipment, large capacity airless spray equipment and by brush or roller.

COPON HYCOTE 162, backed by 30 years experience with solvent free epoxy coatings, is also recommended for the lining of concrete or steel tanks and vessels holding aviation fuel, petrol, crude oil, industrial effluent, sewage and sea water. The product is also resistant to a wide range of aqueous chemicals.

COPON HYCOTE 162 has been developed as an impervious internal lining for pipes and can also be used as an external protective coating where abrasion resistance is required.

COPON HYCOTE 162 will cure in cold damp conditions.

Standard Colour Availability Manufactured in a Light Grey and Red Colour

GENERAL PROPERTIES

Abrasion	Excellent resistance to abrasion and mechanical damage
Adhesion	Excellent on correctly prepared and primed surfaces.
Erosion	Excellent erosion resistance particularly recommended for immersion in aqueous slurries.
Aviation Fuel Resistance	Approved Worldwide for contact with aviation fuel.
Chemical Resistance	Recommended as a protective lining against a wide range of chemical immersion conditions. (Advice can be provided by E. Wood Limited on resistance to any particular chemical).
Temperature	Up to 80°C depending upon chemicals involved.
Ease of Decontamination	Tested to BS4247 part 1 certificate No. 240389/2

PHYSICAL CONSTANTS

Total Solids Content (Average) by volume	100%
Specific Gravity (Average MIXed)	1.5
V.O.C.	NIL
Film Thickness (Typical)	Wet 400 microns Dry 400 microns
Note:	The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements.
Theoretical Coverage Rate	2.5 sq. metres per litre at 400 microns dft

SURFACE PREPARATION

METHOD	a) Steel Surfaces - All steel surfaces to be coated should be abrasive blast cleaned to a minimum SA2½ in accordance with BS 7079 Part A1 1989 or equivalent. b) Concrete Surfaces - All concrete surfaces to be coated should be prepared by either lightly abrasive blast cleaning using wet abrasive or dry techniques or alternatively high pressure water jetting. Care should be taken not to expose the aggregate. In most situations an appropriate primer sealer coat will be required. All dust and abrasive material shall be removed from the surface prior to coating.
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MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume)	3.5 parts Base component. 1.5 parts Activator component.
Pot (Usable) Life	Approximately 1 hr at 20°C. 1/2 hr at 30°C.
Method of Mixing	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 5°C.
METHOD	COPON HYCOTE 162 can be applied by large capacity airless spray or plural feed airless spray. COPON HYCOTE 162 is also capable of being applied by roller or brush for small applications.
Large Capacity Airless Spray	Equipment with a 60:1 pump ratio is recommended. Ensure Base and Activator components are at a temperature of 20-25°C. Up to 7% Copon SA37 thinner should be added to the Base and mixed thoroughly, the activator should now be added to the Base until homogeneous. Material spray lines and gun should be at 20-25°C immediately prior to the introduction of the mixed material. Topping up with newly mixed material should be avoided, in any case equipment and paint lines should be flushed out with solvent every 20 mins or when the mixed coating temperature exceeds 45°C. Tip size and fan width will vary depending on thickness to be deposited and the geometry of article to be coated, however orifice size would normally be in the range of 17-20 thou, with a tip pressure up to 4000 psi.
Plural Feed Hot Airless Spray	Both the Base and Activator component should be heated to 35°C - 65°C, this upper temperature must not be exceeded. Both Base and Activator should be agitated to avoid hot spots within the material. 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.
Brush/Roller	Good quality brushes and short to medium pile rollers should be used for these methods of application. Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	3-4 hours
Hard Dry	16 hours
Minimum Overcoating	3-4 hours
Maximum Overcoating	48 hours
Full Cure	7 days

Ideally COPON HYCOTE 162 should be applied as a single high build coat. If a subsequent coat is required or any reason thorough mechanical abrading or 'flash blasting' of the first coat should be carried out.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Undue contact with the skin should be avoided.

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

PACKAGING AND STORAGE

Supplied in 5 litre packs or the base and activator sold seperately in 18 litre containers (2 base and 1 activator)
Use within 5 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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