

## PRODUCT DESCRIPTION

### TWO COMPONENT SOLVENT FREE COATING

COPON HYCOTE 175-SR is a high performance lining system with exceptional solvent resistance designed for plural feed hot spray application. The product is based upon a specially selected resin/activator blend, which has been fully tested under laboratory and site conditions in contact with a wide range of organic solvents.

Other coatings such as epoxies and urethanes tested under the same conditions showed premature failure.

COPON HYCOTE 175-SR is ideally suited for applications which call for a high degree of resistance, and offers long term resistance to Methanol, Xylene, Toluene and other organic solvents.

Applications include the lining of concrete or steel tanks, bund walls, culverts, interior of pipes, floors which come into contact with any of the above solvents on a prolonged basis.

**Standard Colour Availability**    Manufactured only in a Light Grey.

## GENERAL PROPERTIES

<b>Abrasion</b>	Excellent resistance to abrasion and mechanical damage
<b>Adhesion</b>	Excellent on correctly prepared surfaces.
<b>Solvent Resistance</b>	Recommended as a protective lining against a wide range of immersion conditions. (Advice can be provided by E Wood Limited on resistance to any particular solvent).

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average) by volume</b>	100%
<b>Specific Gravity (Average mixed)</b>	1.18
<b>V.O.C.</b>	Nil
<b>Film Thickness (Typical)</b>	500 microns (spray only) 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>	3.3 m <sup>2</sup> per litre at 300 microns D.F.T 2.0m <sup>2</sup> per litre at 500 microns D.F.T.

## SURFACE PREPARATION

<b>METHOD</b>	<p>a) Steel Surfaces - All steel surfaces to be coated should be abrasive blast cleaned to a minimum Standard SA2½ BS 7079 Part A1 1989 or equivalent with a blast profile corresponding to 'Medium' BS7079 Part C3.</p> <p>b) Concrete Surfaces - All concrete surfaces to be coated should be prepared by either lightly abrasive blast cleaning using wet abrasive or dry abrasive 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, surfaces should then be sealed with Copon Hycote 630.</p>
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(continued overleaf)

## MIXING

<b>Number of Components</b>	Supplied in two parts: Base component and Activator component.
<b>Mixing Ratio(by volume)</b>	3 parts Base component. 1 part Activator component.
<b>Pot (Usable) Life</b>	Approximately 30 mins at 20°C.
<b>Method of Mixing</b>	a) Dual feed hot airless spray mixed automatically at mixer head. 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 attained.

## APPLICATION

### METHOD

- a) **Plural feed hot spray:** Typical set up is:- Graco Hydrocat fitted with a King proportioning pump and insulated or insulated and heated base and activator feedlines with circulation facilities. The spraying temperature of the material at the spray gun tip should be 55-60°C. Tip size will vary depending upon film thickness requirements and spray pattern but will be between 15-21 thou. Completely clean equipment immediately after use with COPON SA65 THINNERS.
- Copon Hycote 175SR should ideally be applied in a single coat, where application of additional coats is required the existing surface must be abraded prior to subsequent application.

## DRYING AND CURE TIMES AT 20°C

Touch Dry - 2 hours  
Full chemical cure - 7 days  
For optimum chemical resistance the applied system must be cured at a temperature of 20°C for 7 days

## 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 & STORAGE

**Packaging:** 18 litre base and activator for dual feed hot airless spray application.  
2Kg composite units for brush application.

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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