

**PRODUCT DESCRIPTION****TWO COMPONENT SOLVENT FREE EPOXY COATING**

COPON HYCOTE 152LV is designed to provide long term corrosion protection of steel and concrete structures by brush or spray application.

COPON HYCOTE 152LV is a two component solvent free epoxy coating designed to provide long term corrosion protection of steel and concrete structures.

Being solvent free COPON HYCOTE 152LV provides a safer environment during application, making it eminently suitable for use in confined areas or where flammable vapours are undesirable, and is equally suited for offshore maintenance. It also has outstanding limited fire hazard performance.

COPON HYCOTE 152LV can be applied to damp surfaces and exhibits a high tolerance to manual preapred substrates.

Standard Colour Availability Manufactured in Beige, Black, Grey. Selected BS4800 or RAL standard colours are available subject to minimum batch manufacture.

GENERAL PROPERTIES AND APPROVALS

Corrosion Properties	A single application provides excellent protection to steel substrates.
Abrasion	Excellent resistance to abrasion and mechanical damage
Adhesion	Excellent on correctly prepared surfaces.
Chemical Resistance	Can be used against a wide range of chemicals and provides excellent resistance to sea water immersion.
Railtrack 98	Item Number 5.11.2

FIRE PERFORMANCE TEST DATA

COPON HYCOTE 152LV systems have been extensively tested on a wide variety of substrates to a range of British and International Standards. Full test details and results are available on request from the E. Wood Technical centre. Tests carried out include:-

BS476 - Part 7	Class 1 Surface Spread of Flame.
BS476 - Part 6	Class 0 in accordance with UK Building regulations.
BS6853 - Annex D	
Section 8.4 (Panel Test)	
NES 713	
Mean Toxicity Index	
Note:	Toxicity values 'R' in accordance with BS6853 Annex B are also available for E. Wood Technical Centre.

PHYSICAL CONSTANTS

Total Solids Content	100%
(Average) by volume	
Specific Gravity	1.6
(Average Mixed)	
V.O.C.	Nil
Film Thickness (Typical)	Wet 250 - 1000 microns Dry 250 - 1000 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 sq metres per litre at 500 microns dft

SURFACE PREPARATION

METHOD	Surfaces should be clean and free from oils, bacteria or algal growth. On steel surfaces optimum performance will be obtained on surfaces prepared to minimum Sa 2½ in accordance with BS 7079 : Part A1 1989 or equivalent. Where blast cleaning is not possible, mechanical wire brushing and grinding should be used to achieve Swedish Standard St2-St3. Previously coated surfaces should be abraded using 180 grade emery paper. Any loose adherent coating must be removed and surrounding area feather edged.
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(continued overleaf)

MIXING

Number of Components	Supplied in two parts: Base component and Activator component.
Mixing Ratio (by volume)	3 parts Base component. 1 part Activator component.
Pot (Usable) Life	Approximately 50 mins at 20°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.

APPLICATION

Conditions for Application	a) A minimum Temperature of 5°C is required for application. b) Unaffected by relative humidity or surface moisture.
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METHOD COPON HYCOTE 152LV is primarily designed for application by brush for which good quality brushes should be used.

Spray application is possible using plural feed hot airless spray equipment. The Copon Technical Department should be consulted where alternative application methods are being considered.

Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	12 hours
Hard Dry	16 hours
Minimum Overcoating	16 hours
Maximum Overcoating	48 hours
Full Cure	7 days

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Avoid contact with the skin by using gloves, barrier creams and face mask.
3. If the product comes into contact with the skin, wash immediately with soap and water. If the eyes are affected flush with plenty of water and seek medical attention at once.

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

PACKAGING

Supplied in 5 litre packs or the base and activator supplied separately in 18 litre containers (3 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.



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
URL: <http://www.copon.co.uk>