

PRODUCT DESCRIPTION

TWO COMPONENT HIGH BUILD SOLVENT FREE EPOXY COATING

COPON HYCOTE 152LV-AS is designed to provide long term maintenance free corrosion protection of mild steel and other selected substrates in a single coat by airless spray application.

COPON HYCOTE 152LV-AS achieves extremely high levels of adhesion when applied to abrasive blast cleaned steel but is also capable of very good adhesion to manually prepared surfaces, including sound existing coatings.

COPON HYCOTE 152LV-AS, once fully cured, provides an unparalleled combination of proven coating protection properties with extensive limited fire hazard contribution.

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.

FIRE PERFORMANCE TEST DATA

COPON HYCOTE 152 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 - NES 713	Annex D Section 8.4 (Panel Test)
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 (Average) by volume	100%
Specific Gravity (Average Mixed)	1.32
V.O.C.	Nil
Film Thickness (Typical)	Wet 500 microns Dry 500 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.
Steel:	Optimum performance will be obtained on surfaces prepared to minimum Sa 2 ^{1/2} 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 Painted Surfaces:	Surfaces should be abraded using 180 grade emery paper. Any loose adherent coating must be removed and surrounding area feather edged.
Concrete:	Surfaces should be clean, dry and abrade free from laitence and other loose friable material. Most concrete surfaces will require sealing with Copon Hycote 630 prior to coating, however on very dense non porous concrete the sealer can be omitted.

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-AS should be applied in a single coat by airless spray or air assisted airless spray. Where stripe coating is required a wet on wet technique should be used.

Typical Spray Settings are:

Airless Spray -	Minimum 32:1 pump ratio Tip size 17-21 thou Tip pressure 3000 psi
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For detailed technical recommendations please consult the Copon Technical Centre. Clean all equipment immediately after use with COPON SA65 THINNERS.

DRYING AND CURE TIMES AT 20°C

Touch Dry	16 hours
Hard Dry	24 hours
Maximum Overcoating	8 hours
Full Cure	7 days

The above maximum overcoating time only applies when the product is overcoated with itself, where Copon Hycote 152LV-AS requires overcoating with other materials please consult the Copon Technical Centre.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Avoid contact with the skin by using gloves.
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 & STORAGE

Supplied in either 5 litre packs or Base and Activator supplied individually in 18 litre units (3 Base and 1 Activator). Use within 5 years of purchase. Store in original sealed containers at temperatures between 5° and 30°C

Copon system recommendations take precedence over individual Copon Product Data sheets and are available on request.



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