

PRODUCT DESCRIPTION

TWO COMPONENT HIGH SOLIDS PIGMENTED INTUMESCENT COATING

COPON LS3000 was originally developed as a high performance durable intumescent coating for steel substrates where more effective fire barrier characteristics are required.

COPON LS3000, has become a proven intumescent for increased fire protection of timber substrates, such as for timber floor panels in buses, coaches and trains.

Standard Colour Availability Manufactured only as a Low Gloss Off White finish.

GENERAL PROPERTIES

Adhesion	Good adhesion to steel, aluminium, wood and concrete.
Abrasion Resistance	Good abrasion and impact resistance.
Chemical Resistance	Unaffected by most industrial chemicals and solvents.

FIRE PERFORMANCE TEST DATA

BS476 - Part 7	Class 1 Surface Spread of Flame: 150 microns dft on Mild Steel 200 microns dft on Marine Plywood.
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PHYSICAL CONSTANTS

Total Solid Content (Average) by Volume	80%
Specific Gravity (Average Mixed)	1.15
V.O.C. (As Supplied)	183gm/litre
Note:	Thinning for spray application will increase the applied V.O.C.
Film Thickness (Typical)	Wet 250 microns Dry 200 microns
Theoretical Coverage Rate	4 sq. metres per litre at 200 microns dft

SURFACE PREPARATION

METHOD	a) Steel Surfaces - should ideally be abrasive blast cleaned to SA 2 1/2 BS 7079: Part A1/1989 or equivalent. Where blast cleaning cannot be carried out the surface should be thoroughly roughened by mechanical abrasion.
	b) Concrete and Plaster Surfaces - should be clean, firm, dry and free from surface laitence.
	c) Wooden Surfaces - should be clean and dry and hardwood surfaces should be lightly abraded.

MIXING

Number of Components	Supplied in two parts. Base component and Activator component.
Mixing Ratio (by volume)	4 parts Base component. 1 part Activator component.
Pot (Usable) Life	Approximately 2 hours 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) 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 7°C.

METHOD COPON LS3000 can be applied by brush, roller, conventional or airless spray.

Typical Spray Settings are:-

Airless Spray Airless 30:1 pump ratio minimum

Tip Size 13-15 Thou orifice;

Tip pressure approx. 2,000 psi (145 Bar)

Conventional Spray Pressure Pot

Needle Setup 1.4 - 1.8 mm

COPON LS3000 does not normally require thinning for airless spray application, for conventional spray up to 10% COPON SA65 THINNERS may be required by volume. Good quality brushes and mohair rollers should be used for these methods.

Clean all equipment immediately after use with COPON SA65 THINNERS.

Note 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.

DRYING AND CURE TIMES AT 20°C

Touch Dry	- 3 hours
Hard Dry	- 16 hours
Overcoating- min	- 16 hours
Maximum Overcoating	- 7 days
Full Cure	- 7 days

HEALTH AND SAFETY

1. In the wet state COPON LS3000 is highly flammable.
2. Adequate ventilation must be provided during use.
3. Undue contact with the skin should be avoided.

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

PACKAGING AND STORAGE

Supplied in 5 litre packs.

Use within 12 months 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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