



## PRODUCT DESCRIPTION

### SINGLE COMPONENT WATER-BORNE INTUMESCENT COATING

COPON LS1000 is designed for use as an effective intumescent system on wood, fibre board and related composite substrates. COPON LS1000 is designed for interior use and offers a combination of excellent intumescence, Class 1 surface spread of flame and low smoke and toxicity emissions.

**Standard Colour Availability** Manufactured only as a White or Pale Grey colour.

## GENERAL PROPERTIES

**Adhesion** Excellent to wood, fibreboard, plaster, concrete etc.

## FIRE PERFORMANCE TEST DATA

COPON LS1000 systems have been extensively tested on a wide variety of substrates to a range of British 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)

## PHYSICAL CONSTANTS

<b>Total Solid Content</b>	50%
<b>(Average) by Volume</b>	
<b>Specific Gravity (Average)</b>	1.3
<b>V.O.C.</b>	Nil
<b>Film Thickness (Typical)</b>	Wet 150 microns Dry 75 microns
<b>Theoretical Coverage Rate</b>	6.7 sq. metres per litre at 75 microns dft

## SURFACE PREPARATION

All surfaces should be clean, dry and free from oil, grease or other contamination. Hardwood surfaces should be lightly abraded to improve penetration and adhesion.

COPON LS1000 can be applied over existing paint coatings and where this application is being carried out over a glossy surface, the existing coating should be lightly abraded to produce a key for COPON LS1000.

**Note:** When applied over existing paint coatings the documented fire performance data is no longer applicable.

## MIXING

COPON LS1000 is a single component material and should only require stirring prior to use to incorporate any slight separation.

## APPLICATION

COPON LS1000 is supplied ready for use by brush or roller application.  
Where spray application is being considered, up to 5% by volume of water may be required depending on the type of equipment being used.  
Two coats to a total DFT of 150 microns should be applied.

### Typical spray settings are:

<b>Airless Spray</b>	Minimum 30:1 pump ratio Tip Size 13-15 Thou Tip pressure approx. 2,000 psi (145 Bar)
<b>Conventional Spray</b>	Pressure Pot Needle Setup 1.2 - 1.4mm

## DRYING AND CURE TIMES AT 20°C

Touch Dry	- 30 mins
Hard Dry	- 2 hours
Overcoating	- 2 hours (min)
Full Cure	- 2 days

## HEALTH AND SAFETY

1. COPON LS1000 is a water based system and does not present any health hazard during normal industrial use.
2. Skin contact should be avoided where possible and affected area should be washed with soap and water.
3. Where eye contact occurs, the eye should be washed with copious amounts of clean water.

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

## PACKAGING AND STORAGE

Supplied in 5 and 20 litre units.

Use within 12 months of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.

Protect from frost during storage and use.

Copon System Recommendations take precedence over individual Copon Product Data Sheets and are available on request.



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