

3M™ Scotchkote™

Intumescent Coating LS1000

Updated
Supersedes

July 2014
March 2013

Data Sheet and Application Guide

Product Description

Scotchkote Intumescent Coating LS1000 has been specifically developed to provide enhanced fire resistance to wood, fibre boards and composite surfaces.

Product Features

- combines good application characteristics with fast drying capabilities.
- is a genuine waterborne intumescent and is therefore safe to store, handle and apply.
- is designed for use in internal situations.
- provides surfaces with low surface spread of flame, and low smoke and toxicity submissions.

General Application Steps

1. Remove loosely adhering deposits.
2. Apply Scotchkote Intumescent Coating LS1000 to the required film thickness.
3. Allow to cure.
4. Inspect the coating for defects.
5. Repair all defects.

Properties

Property	Value
Colour	White
Drying & Cure times at 20°C (68°F)	
Touch Dry	30 mins
Hard Dry to handle	2 hours approx
Full Cure	2 days
Minimum Overcoating	2 hours
Volume Solids	50%
Specific Gravity	1.3
V.O.C (As Supplied)	10g/ltr
Film Thickness	150 microns wet, 75 microns dry Note: Normally applied as a two coat system to achieve a dry film thickness of 150 microns.
Theoretical Coverage Rate	6.7 sq metres per litre at 75 microns dft
Performance Data	
Fire Resistance	Class 0 - Designation in accordance with UK Building Regulations E.15 (BS476 - 6) Class 1 - Surface Spread of Flame (BS476 - 7)
Smoke Emission	Ao on 3.3 Ao off 4.0 (BS6853 - 5.2)



Application Procedures for Scotchkote Intumescent Coating LS1000

Surface Preparation

Wooden surfaces should be clean, dry and free from contamination.
Hard wood surfaces should be lightly abraded.

Application Procedures

The product should not be applied when the relative humidity exceeds 80% or where surfaces are less than 3°C above the dew point. The product should not be applied at temperatures below 7°C.

Application can be by brush or airless spray:

- Airless Spray Minimum 45:1 pump ratio
- Recommended Tip Size 21-27 thou orifice;
- Minimum Tip pressure 2500 psi (175 bar)

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.

Packaging and Storage

Supplied in 5 and 20 litre units.

Use within 12 months of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

ALWAYS PROTECT FROM FROST DURING STORAGE AND USE.

Handling and Safety Precautions

Read all health hazard, precautionary and first aid statements found in the Material Safety Data Sheet, and/or product label prior to handling or use.

Ordering Information/Customer Service

For ordering, technical and product information or to request a copy of the Material Safety Data Sheet, call +44 (0)1609 780170.
For emergencies, please contact +44 (0)1344 858000.

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