FIRE RETARDANT **WOOD-S**

A WATERBORNE INTUMESCENT COATING DESIGNED TO PREVENT SPREAD OF FIRE ON INTERNAL SURFACES

- Intumescent coating classified to European Standard EN 13501-1
- Achieves European Class B-s1, d0 on internal surfaces
- Waterborne
- Dries to a matt white finish
- Can be overcoated with Zeroflame Topcoat W

Description

Zeroflame Wood-S is a waterborne intumescent coating designed to prevent spread of fire on internal surfaces.

Use

Zeroflame Wood-S has been successfully tested to European Standard EN13501-1, achieving B-s1, d0 on wood and wood based substrates with a minimum thickness of 8mm and density ≥338kg/m³, and on any substrates having fire class A1 or A2-s1, d0 (non-combustible substrates) with minimum thickness 6mm and density ≥338m³.

Appearance & Overcoating

Zeroflame Wood-S achieves a matt white finish. If an alternative colour or gloss level is required, Zeroflame Topcoat W is available.

Coverage & Application Rates

3.3m²/kg if used without Zeroflame Topcoat W
2.5m²/kg if used with Zeroflame Topcoat W
Without Zeroflame Topcoat W: 300g/m², achieving 230µm WFT/160µm DFT
With Zeroflame Topcoat W: 400g/m², achieving 305µm WFT/215µm DFT

Number Of Coats

The number of coats required depends on the application method and the standard of finish required, ensuring at all times that the minimum coverage rates are achieved.

Surface Preparation

Surfaces to be coated must be thoroughly clean, dry and free from oil, grease, dust, etc.
Resinous timbers should be primed with a thin coat of Zeroflame Wood-S in addition to the full specification.

Method Of Application

Zeroflame Wood-S can be applied by brush, roller or airless spray, with the latter two methods being most appropriate for large flat areas. If airless spray is used the recommended tip size is 11 - 17 thou, with an operating pressure of 1,750 - 2,350psi. Stir the product thoroughly before use.

Drying Time

Re-coat: 4 hours
Top coating: 12 hours
At 23°C and 50% RH

Thinning & Cleaning

Zeroflame Wood-S should not be thinned. Clean all equipment with water immediately after use.

Application Conditions

Application should not be attempted in any of the following circumstances:
Surface temperature: below +10°C
Ambient temperature: below +10°C
Substrate moisture content: above 15%
Relative humidity: above 70%

Restrictions To Use

Zeroflame Wood-S should not be used on surfaces exposed to external conditions or to frequent exposure to moisture.
If there is a risk of moisture penetration from the untreated side of the substrate, the reverse side should be sealed with a moisture resistant membrane.
Adhesion and performance on anything other than untreated timber cannot be guaranteed.

Technical Data

Flashpoint: Non-combustible
Specific gravity: 1.3
Volume solids: 70%

Finish

Matt white.

Storage Instructions

Storage: 12 months frost free in unopened containers.

Limits of Exposure

Recommended for application to interior surfaces only. If a colour and/or wipeable surface is required Zeroflame Wood-S can be overcoated with Zeroflame Topcoat W.

VOC

EU Limit Value for this product (Cat.11 A/i (WB)): 140g/l
This product contains 35g/l VOC.

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