



FIRE RETARDANT WOOD-C



A TRANSLUCENT HALOGEN FREE, WATERBORNE INTUMESCENT COATING DESIGNED TO PREVENT THE SPREAD OF FIRE ON INTERNAL SURFACES

- Translucent intumescent coating classified to European Standard EN 13501-1
- Achieves European Class B-s1, d0 on internal wood surfaces
- Waterborne
- For use on light coloured wood only
- Can be tinted
- Overcoat with Zeroflame Topcoat C, available in matt and satin

Description

Zeroflame Wood-C is a translucent halogen free, waterborne intumescent coating designed to prevent the spread of fire on internal surfaces.

Use

Zeroflame Wood-C 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 $\geq 338\text{kg/m}^3$.

Appearance & Overcoating

Zeroflame Wood-C achieves a translucent matt finish. If increased durability is required, it can be overcoated with Zeroflame Topcoat C, which is available in either matt or satin finish. Zeroflame Wood-C can be tinted. Please contact Zeroflame for details.

Coverage & Application Rates

4.0m²/kg
250g/m², achieving 200µm WFT/100µm 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.

Method Of Application

Zeroflame Wood-C can be applied by brush, roller or airless spray. 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: 1 hour
Top coating: 4 hours
At 23°C and 50% RH

Thinning & Cleaning

Do not thin.
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-C 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.
All existing coatings must be removed before application of Zeroflame Wood-C.

Technical Data

Flashpoint: Non-combustible
Specific gravity: 1.2
Volume solids: 57%

Finish

Translucent matt.

Storage Instructions

Storage: 12 months frost free in unopened containers.

Limits Of Exposure

Recommended for application to interior surfaces only.

VOC

EU Limit Value for this product (Cat.11 A/i (WB)): 140g/l
This product contains 38g/l VOC.

Issue Date 2025-03

