



FIRE RETARDANT TREATMENT



A CLEAR IMPREGNATION SOLUTION DESIGNED TO PREVENT THE SPREAD OF FIRE ON SOLID TIMBER

- Classified to BS EN 13501-1:2018
- Achieves European Class B-s2,d0
- For internal and external use
- Waterborne
- Colourless and virtually odourless

Description

Zeroflame Treatment is a clear waterborne impregnation solution designed to prevent the spread of fire on internal and external solid timber surfaces.

Use

Zeroflame Treatment has been successfully tested to BS EN 13501, achieving B-s2,d0 on solid wood with a minimum thickness of 12mm and density of 400kg/m³.

Appearance & Overcoating

Zeroflame Treatment leaves no visible finish, achieving a natural appearance. Zeroflame Treatment should not be overcoated. Application of any product over Zeroflame Treatment may adversely affect the fire protection performance.

Coverage & Application Rates

4m²/litre (250ml/m²)

Number Of Coats

Depending on method of application and the porosity of the timber, approximately 3 coats should be applied, at a total coverage rate of 4m²/litre, excluding wastage. Off-site application, prior to installation of the timber, may accelerate the process, Zeroflame Treatment being unaffected by handling once dry.

Allow a minimum of 1 hour between coats. Do not mix with other solutions. Stir thoroughly. Do not apply if the ambient temperature is below 10°C

or if the surface temperature is below 3°C above dew point. As this is an aqueous solution, raising of the grain or discolouration may occur with some varieties of timber. Light sanding between coats is permissible.

Surface Preparation

Surfaces to be treated must be clean, dry and free from contamination. Existing coatings MUST be removed, together with all residue. Moisture repellent treatments may inhibit absorption. Zeroflame Treatment should be applied first in such instances.

Method Of Application

Zeroflame Treatment can be applied by brush, roller or spray, including low pressure stain sprayer or by immersion. When spraying use suitable masks.

Drying Time

6-12 hours (at +20°C and 65% relative humidity). Drying times are dependant upon the absorption characteristics of the substrate and drying conditions. Low temperatures and/or conditions of high relative humidity will extend drying times.

Thinning & Cleaning

Zeroflame Treatment should not be diluted. Clean all tools with water immediately after use.

Application Conditions

Application should not be attempted in any of the following conditions:
Surface temperature below 10°C
Ambient temperature below 10°C
Substrate moisture content is above 15%

Restrictions To Use

Discolouration may occur on some types of timber or on heavily knotted wood. As a result it is recommended

that a sample area be prepared to full specification before completion of the whole project. Zeroflame Treatment is not suitable for wood-derived particle board or similar as it cannot penetrate. Zeroflame Wood-C may be a suitable alternative in this situation. Care must be taken to comply with the coverage rate, including allowance for wastage, as inadequate application will affect the fire protection. Please note: Zeroflame Treatment does not provide protection from UV rays.

Technical Data

Flash point: >100°C

Finish

Clear

Storage Instructions

Containers must be kept sealed and stored at temperature not less than 5°C. Use within 6 months of purchase. Protect from frost.

VOC

N/A.

