

zeroflame®

FIRE RETARDANT PAINT

TECHNICAL DATA

PRODUCT DESCRIPTION

Zeroflame Fire Retardant Paint is a water borne fire protection coating for interior use. This coating has been successfully tested on a variety of timber substrates to BS 476, Classes 0 and 1, which achieves B-s2, d0 Classification.

APPLICATION AREAS

Zeroflame Fire Retardant Paint can be applied to reduce the ignitability of soft and hard wood and other wood derivatives, i.e. plywood, chipboard, fibre insulation board, hard board, also on veneering $\geq 12\text{mm}$ thickness. Insulates against heat, checks fire, prevents propagation of fire and diminishes flue-gas density and flue-gas temperature. For interior use only. Not suitable for surfaces exposed to mechanical stress.

PRODUCT FEATURES

Zeroflame Fire Retardant Paint:-

- Is a water-based coating system
- Can be applied by brush, roller or spray
- Achieves the equivalent to Class 0 and Class 1 to EU Standard EN13501-1:2007
- Has a matt white finish
- Where a final decorative or protective finish is required, a water borne, non-flammable paint may be used
- Can be applied over sound existing coatings
- Has a coverage rate of $3.7\text{m}^2/\text{litre}$. Wet film thickness (WFT): 270 microns. Dry film thickness (DFT): 170 microns.

TECHNICAL INFORMATION

<i>Appearance when dry</i>	Matt white
<i>Mass density</i>	Approx. 1.29 g/cm^3
<i>Solids by weight</i>	Approx. 65% (according to EN ISO 3251)
<i>VOC Content</i>	Max. 0 g/litre (2010 EU limit: 140 g/litre)
<i>Shelf Life</i>	12 months from delivery in cool and dry storage conditions and in original unopened containers.

APPLICATION INSTRUCTIONS

Preparation of coating material: Stir Zeroflame Fire Retardant Paint thoroughly until free of lumps.

Surface Preparation: Substrates must be dry (moisture content must not exceed 15%), free from dust, wax, grease, dirt, resin, etc. Existing coatings with poor adhesion must

Issue Date 19/04/21

Zeroflame Fire Retardant Paint Technical Data - Page 1 of 2

APPLICATION INSTRUCTIONS cont...

be completely removed. Coatings containing lime, chalk or lithopone should be removed.

Application Methods: Airless spraying - material shall be applied undiluted
 - airless spray equipment with pressure ratio 30:1
 - hose diameter not below 3/8"
 - whipline 1.5 - 2m. NW6 may be used
 - recommended tip size 0.34 – 0.66mm or 0.017 – 0.027"
 - hoses must be used only for water-based coatings
Brushing/Rolling - material shall be applied in supply viscosity

Application Conditions: Object temperature not below +10°C, to max. +40°C
 Relative humidity max. 70%
 Application temperature shall be at least $\geq 3^{\circ}\text{C}$ above dew point. In case relative humidity exceeds 80%, special measures must be taken to prevent condensation forming while applying.
 If the moisture content of the substrate exceeds 15%, the coating is unlikely to dry and blooming may occur. Moisture content should be at or near that anticipated when in use.

Drying/Curing: At approx. 20°C temperature and 65% relative humidity approx. 6 hours.
 Lower temperatures and higher relative humidity may extend drying time.
 Allow 48 hours before overcoating

Cleaning: Immediately after use, clean the equipment with water.

HEALTH AND SAFETY INFORMATION

Please observe safety instructions on container labels and local regulations. Dangerous Goods regulation should be followed. During application in closed rooms, pits and shafts, etc. sufficient ventilation must be provided. Keep away from naked flame, including welding. In poorly lit rooms, only electric safety lamps are permitted. The installed ventilation equipment must be spark-proof. In a liquid or not fully cured state, the product contaminates water and should not be allowed to enter drains or be spilled onto open ground. All spillages and liquid waste must be removed according to local Health and Safety regulations.

For full details on Health and Safety data for this product, refer to the Safety Data Sheet, available on request.

CERTIFICATION

Zeroflame Fire Retardant Paint has been tested to En 13501-1:2007 on timber and composite wood substrates, European classes B-s1, d" and B-s2, d0 being obtained. Building Regulations classify C-s3, d2 as being equivalent to Class 1, and B-s3, d2 equivalent to Class 0. Zeroflame Fire Retardant Paint exceeds both these classifications on timber surfaces when applied according to the manufacturer's recommendations.

This information is offered in good faith but without guarantee or liability. In cases of doubt, users should consult with relevant authority. Information given herein is supplied for your guidance only and is based upon the results of controlled tests and experience obtained in the application of the product referred to by Decor Ireland Ltd. As the supplier only, Decor Ireland Ltd has no control over the method or conditions of application of the product and consequently no warranties expressed or implied are intended to be given as to the coverage or performance of the products mentioned or referred to herein and no liability will be excepted for any loss, damage or physical injury from the use or application of the information, data or products mentioned or referred to herein.

Aquasteel and Zeroflame are Trade Marks of Decor Ireland Ltd.

Telephone: Head Office: +44 (0)28 9262 0300 UK Office: 0845 3838333
Fax: Head Office: +44 (0)28 9262 0309 UK Office: +44 (0)28 9262 0309
Email: sales@seroflame.co