

ZEROflame™ FIRE RETARDANT TREATMENT

TECHNICAL DATA

PRODUCT DESCRIPTION

Zeroflame Fire Retardant Treatment is an aqueous solution which achieves Class 0 Fire Propagation and Spread of Flame fire protection on solid timber.

APPLICATION

Zeroflame Fire Retardant Treatment is a fire retardant system for the fire protection of hardwoods, softwoods and other cellulose based substrates. Zeroflame Treatment treated timber must only be used above the dpc level and/or above ground contact.

Trials should be carried out on decorative timber species to check any shade changes prior to the full application of the Treatment.

FEATURES

Zeroflame Fire Retardant Treatment is:-

- Moisture resistant and unaffected by humidity
- Unaffected by wear
- Simple specification
- Suitable for non-specialist application
- Suitable for off-site application
- Applicable by brush, roller or spray
- Non-toxic and non-allergic
- Biologically and ecologically safe
- Colourless and odourless
- Non-leaching
- Maintenance free
- Does not require overcoating accept for decoration.

TECHNICAL DATA

Name	CAS No.	Symbol and Risk	Concentration %
<i>Ferric (III) phosphate</i>	10045-86-0	<i>Xi; R36/38</i>	30%
<i>Citric Acid</i>	77-92-9	<i>Xi; R36</i>	1%
<i>Polyoxyethylene (21) stearyl alcohol</i>	9005-00-9	<i>Xi; R41</i>	0.5%
<i>Water</i>	7732-18-5	-	68.5%

This product is classified Xi – Irritant: Irritates eyes and skin.

DIRECTIONS FOR USE

Substrate: The substrate must be clean, dry and free from contamination; existing coats must be removed by stripping or sanding.

DIRECTIONS FOR USE cont....

Application: Approximately 3 coats depending on application method and site conditions, giving a total coverage of minimum 270ml/m². Do not mix with other solutions, stir well.

Use brush, roller, spray (use appropriate mask when spraying), dip or vacuum method.

After treatment of the substrate with Zeroflame Fire Retardant Treatment, the appearance of the timber is virtually unchanged.

Drying Times: Coats should be applied at intervals of 40-60 minutes.

Drying time is 24 hours at 15°C.

Minimum temperature for application is 5°C.

Do not apply to frozen substrate.

Maximum fire retarding capabilities achieved after 7 days.

Storage and Transportation: Supplied in hermetically sealed containers and should be stored at temperatures above zero. The warranty period of storage is 2 years from date of manufacture.

Protection Period: Fire retardant properties will remain active for the lifetime of the substrate.

Disposal: Zeroflame Fire Retardant Treatment is an ecologically friendly material that can be safely disposed of as a household product.

PRODUCT SPECIFICATION

Zeroflame Fire Retardant Treatment is a patented product.

Pack sizes: 5 litre pack

Final Finish: Natural. Can be overcoated with certain stains, varnishes and paints. (Contact Decor Ireland for details of coatings which are suitable.)

CERTIFICATION

BS EN 13823 & BS EN 11925-2 Single Burning Item Euroclass B-s1-d0 (s1: Smoke Production, d0: Flaming Droplets) (Equivalent to UK "Class 0" BS 475: Part 6/7)

NT 053 & NT 054 Accelerated weathering of fire retardant wood for fire testing.

Euroclass C (Equivalent to UK Class 1) for plywood.

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