

CLEAR FIRE PROTECTION FOR TIMBER



HR-Prof is a revolutionary fire proofing

product for wood and other porous combustible building materials, now available for the first time in the UK.

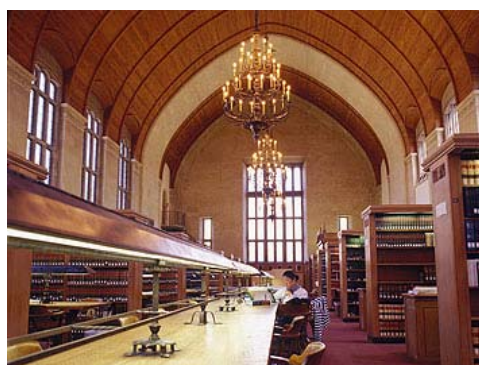
For softwoods and other cellulose based substrates (please contact us for further details), that require **SBI Euro-class B** certification, equivalent to **UK class O**, it is a water based, non-hazardous, ready to use solution.

- Without colour or odour.
- HR-Prof's fire retardant properties will remain active for the lifetime of the substrate.
- Safe for humans and animals.
- Organic material biologically and ecologically friendly. Non-toxic and non-allergic.
- For **internal** and **external** use, cannot be washed out of the substrate once applied.
- It is not broken down by water or humidity.
- Does not leach.
- Available **coloured** for the construction industry (roof trusses, floor joists, flooring etc).

HR-Prof is simple to use and safe to apply. Possessing high diffusion properties it quickly penetrates the structure of the substrate. Unlike intumescent systems it does not require an additional protective finishing coat and can be left natural. However, if required **HR-Prof** can be over-coated with wood stains, varnishes and most paints (tests may be required before over-coating, please contact your nearest agent) Left naturally, timber substrate may darken slightly.

HR-Prof has non-flammable properties, which become part of the substrate, restricting ignition and the spread of flame. It will not wash out from the surface of the substrate after drying, it is not converted into smoke when exposed to high temperatures, and carbon char is restricted to the immediate area. Materials treated with HR-Prof when exposed to temperatures of up to 1700°C are subject to charcoal forming, severely restricting the spread of flame.

HR-Prof for use in timber frame buildings, on staircases, trusses, doors, joists, floors and walls, on stables, log cabins, boats and garages - both inside and outside. **Once dry it is not affected by moisture** so can also be used in kitchens, bathrooms, saunas and swimming pool enclosures.



DIRECTIONS FOR USE

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

Application: 2 or 3 coats depending on applicator, coats should be applied at intervals of 40–60 minutes giving a total coverage of minimum 300g/m². Do not mix with other solutions stir well. Use brush, roller, airless spray (use appropriate mask when spraying), dip, or vacuum method. Minimum temperature for application 5⁰ C, do not apply to frozen substrate.

Drying Times: Drying time 24 hours at 15⁰ C. Maximum fire retarding capabilities achieved after 7 days.

Storage and Transportation: HR-Prof is supplied in hermetically sealed containers and should be stored at temperatures above zero. The warranty period of storage is 36 months.

Health & Safety – During application avoid contact with open wounds, eyes and mouth. In the event of accidental contact; wash the affected area immediately with clean water. Safety goggles and gloves should be worn when handling and applying the material. Adequate ventilation required when spraying. (Use appropriate mask when spraying)

Do not swallow. In case of allergic reaction consult a doctor.

Water based product, which does not present a health hazard under normal industrial use.

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

Disposal: It is an organic material that can be safely disposed of as a household product.

SPECIFICATION: Hr-Prof is a patented product.

Pack sizes: 1L, 5L, 20L and polymeric tanks of 200L and 1,000 litres.

Application: Airless spray, brush, roller, vacuum, dip, or flood coater.

Drying Time: 40-60 minutes between coats. Full drying time 24 hours.

Usage: Internal and External.

Final finish: Natural or over-coated with certain varnishes, stains and paints

CERTIFICATION: BS EN 13823 & BS EN 11925-2 Single Burning Item Euroclass B–s1–d0 (s1 Smoke Production – d0 Flaming Droplets) on certain substrates.

Equivalent to UK “Class O” BS 476: Part 6 & BS 476: Part 7 (Contact us for further details)

UK “class O” is eventually to be phased out according to European directives; it will be superseded by the European equivalent “Euro-class B” **HR-Prof has been tested and is classified “Euro-class B”.**

For substrate details and specifications visit our web site.

Building Regulations: Euroclass certifications are formally incorporated into Approved Document B and regulators in the UK are legally bound to accept them in lieu of national test methods (which are also still permitted). For further information please follow the link to the government web site http://www.planningportal.gov.uk/uploads/br/BR_PDF_ADB_2000.pdf pages 58 onwards.

Importers: Fire Retardant UK Ltd

Email: fireretardant@onetel.com

Web: www.fireretardantuk.com

For Health & Safety and Technical data sheets, contact your local stockist or see our web site: www.fireretardantuk.com

Your local stockist: