

## Fire Retardant UK Ltd

### HR PROF (Holz Prof) - Wood Fire Protector

#### DIRECTIONS FOR USE

- **Substrate:** The substrate must be clean, dry and free from contamination; existing coatings must be removed by stripping or sanding. Wood moisture content should be 20% or less.

- **Application:** Generally 3 coats depending on applicator and climatic conditions, coats should be applied at intervals of minimum 1 hour giving a total coverage of minimum 300g/m<sup>2</sup> (270 ml / m<sup>2</sup>) . Do not mix with other solutions, stir well. Use brush, roller, spray (use appropriate mask when spraying), dip, or vacuum method. Application and coverage may depend on a number of factors, including timber species, surface condition, moisture content, method of application and climatic conditions during application.

Minimum temperature for application 5 degrees C do not apply to frozen substrate.

Note: For both internal and external use it is recommended that a sample of the substrate is coated to establish both absorption properties and possible colour change, particularly when used externally without a protective finishing coat as moisture may create a change in colour.

- **Over-coating:** Where a final decorative finish is required, substrate must be dry before overcoating, we advise checking the moisture content of the substrate prior to application and applying top coat to manufacturers instructions. A small area of the substrate should be tested for compatibility before the full final coat is applied.

- **Coverage:** To achieve Euro-class B-s1-d0 (equivalent to UK Class O), 270 ml / m<sup>2</sup> on most timber species, 360ml / m<sup>2</sup> on Western Red Cedar.

Quantity calculation for square metre coverage: 3.7 m<sup>2</sup> per litre of HR PROF (Holz Prof)

Drying Times: Drying time 24 hours at + 20C/65 relative humidity. Maximum fire retarding capabilities will be achieved after 7 days.

Note: Drying times are dependent upon absorption of substrate and drying conditions. At low temperatures and/or conditions of high relative humidity, drying times will be extended.

- **Storage and Transportation:** HR-Prof is supplied in 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.

- 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.

- Maintenance Period: No maintenance is required once HR PROF (Holz Prof) has been absorbed into the substrate and dried.

- Disposal: Not harmful to the environment but should be disposed of in the correct manner according to European Directive 90/689/EC.

**SPECIFICATION:**

- Pack sizes: 1L, 5L, 20L and polymeric tanks of 200L- Colour: Clear or coloured if required.

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

- Drying Time: 40-60 minutes between coats. Full drying time approximately 24 - 48 hours depending on atmospheric conditions.

- Usage: Internal and External.

- Final finish: Natural or over-coated with varnish, stain and certain paints.

Note: If treated timber is varnished, stained or painted care should be taken that the fire retardant properties are not compromised. Maintenance coating may in time affect the film thickness and we recommend that the film should be stripped back periodically by using a hot air method.

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 O" BS 476: Part 6 & BS 476:

Part 7 (Please contact us for further details or click on the tab above marked Building Regulations).

HR-Prof is a patented product.