FireRetardantUKLtd

HR PROF - INDUSTRIAL

NOT FOR ON SITE APPLICATION

ISO 9001 COMPLIANT FACTORY USE ONLY

THE ECO-FRIENDLY FIRE RETARDANT

The efficiency of HR Prof INDUSTRIAL is tested and approved internationally; it meets the classifications of Euroclass B-s1-d0, (UK class 0 on solid wood, Euroclass C-s1-d0 (UK class 1) on plywood, K1 10 and K2 10.

The unique patented technology permits HR Prof Industrial to help extend the lifetime of treated wood, transforming it into a more fungal and blue stain resistant substrate.

Once absorbed into the surface of the wood HR Prof Industrial combines chemically within the cell structure, but does not form a surface finish, which allows the wood to breathe naturally.

In the event of fire, carbon char is restricted to the immediate area restricting the spread of flame.

Wood treated with HR Prof Industrial complies with EU Construction Products Regulations, enabling customers to apply for a CE mark on treated timber and is certificated according to EU Regulation No: 305/2011 (Construction Products Regulation)

Sizes Available: 500 litre and 1,000 litre IBCs

- Euroclass B-s1-d0
- Water based
- Eco-friendly
- Internal and external application, does not leach
- Colourless and odourless
- Non Toxic – No Solvents
- No maintenance required

HR Prof - Industrial must be applied under a factory production control system to ISO 9001 with a UKAS accredited certification body and with a "safe relationship" with Fire Retardant UK Ltd

APPLICATION DETAILS for HR Prof - INDUSTRIAL

Consumption: 300 gms per m2 on most wood species, on Western Red Cedar 400gms per m2, to ensure a depth of impregnation of 2.0 - 4.5mm into the wood.

The substrate to be treated must be dry, clean, without bark, paints or varnishes and free from contaminants. In some instances there may be colour change after application.

It is possible to paint or over-coat with some water based decorative materials once the substrate has dried sufficiently. If over-coating try a small area first to ensure compatibility.

Drying/Curing times are dependent on absorption of the substrate and drying conditions (temperatures and humidity). The approximate drying time is 24-72 hours at + 20 C / 65 relative humidity. Curing time is a minimum 7 days.

Wood Species tested and certificated:

· SPRUCE · SIBERIAN LARCH · BIRCH· WESTERN RED CEDAR · PINE· SUCUPIRA AMARELA · EUROPEAN OAK · THERMOWOOD · SCOTCH LARCH - BIRCH PLYWOOD

· Fireproof efficiency class B-s1-d0 according to EN 13501-1 (EN13823 and EN 11925-2)

· Fire resistance test of covering K1 10 and K2 10 according to EN 13501-2 (EN 14135, EN 1363-1 and EN 1363-2)

· Fire testing according to ISO 5660

· Fire protection of floor covering A2/B Fl according to EN ISO 9239-1

· Fire test of a facade cladding SP Fire 105

· External usage efficiency according to accelerated endurance of fire retardant treated wood for fire testing according to NT FIRE 053 & NT FIRE 054

· Hygroscopic properties of fire retardant wood products according to NT Build 504

· Assessment and approval of factory production control according to the European Commission.

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