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Technical specifications - HR PROF

FIRE RETARDANT, EUROCLASS B-s1, d0 and K₁ 10, K₂ 10.

A COMPLEX WOOD PROTECTION PRODUCT WITH AMPLIFIED FIREPROOF EFFECT AGAINST BURNING AND IGNITING.

PURPOSES

HR PROF is used for fire protection of wood and wooden parts in different buildings. The product is certificated to according to EU Regulation 305/2011- Construction Products Regulation. HR PROF protects wood against burning, igniting, rotting, mould and turning blue.

The product is suitable for both hardwood and conifer. It is suitable for **internal** and **external** conditions.

HR PROF is not for application on surfaces covered with varnish, paint, oil or other hygroscopic substances.

MAIN ADVANTAGES

- Euroclass **B-s1,d 0**, EN 13501-1:2010 (SBI test EN 13823:2010 and EN ISO 11925-2) and **K₁ 10, K₂ 10** (EN 14135: 2004, EN 1363-1:1999 and EN ISO 13943: 2000).
- Durability of reaction to fire performance - Accelerated weathering of fire-retardant treated wood for fire testing, according to NT FIRE 053 (ISO 5660) and NT FIRE 054
- Complies with European directives CEN / TS 15912 regarding hygroscopicity for both indoor and outdoor applications (NT Build 504).
- Transforms wood into more incombustible, noninflammable material
- Combines chemically with wood without changing its texture or preventing air circulation
- Transforms wood to modified wood
- Protects wood from rotting, mould and turning blue.
- Fire and explosion proof, eco-friendly, non-toxic, non-carcinogenic, without biocide.
- Without smell, colourless.
- Wood remains durable and recoatable.

DIRECTIONS FOR USE

Before applying HR PROF, always clean the surface of all dust, bark or other contaminants. HR PROF may be applied with a brush, roller or under vacuum conditions at the temperature above +5°C (with humidity under 75%). Wood moisture content should be 20% or less.

The temperature of the agent (HR PROF) should be +15°C to +25°C, to ensure good and even infiltration to the wood. The agent can be heated to the required temperature if needed.

Apply 2–3 coats with an interval of 40–60 minutes with normalized total consumption being 300 g/m² (270 ml/m²). Wood must be treated from all sides. The depth of impregnation should be 2,0–4,5 mm. Each freshly applied coat should be dried at air temperature of +12°C to +40°C (with humidity under 75%).

When using vacuum conditions or immersing, the consumption should also be 300 g/m² (270 ml/m²), to ensure the right depth of impregnation (2,0–4,5 mm).

You can paint or cover the surface with other decorative materials after 24–72 hours. Climate conditions like low temperatures and/or high relative humidity can lengthen the drying time. The product is completely combined with wood in 7 days.

Do not process frozen wood! Do not mix HR PROF with other products!

Stir thoroughly before applying! (Bottom sediment doesn't affect the quality of the product)

SAFETY MEASURES

Keep locked up and out of the reach of children. Wear suitable protective clothing, gloves and eye/face protection. In case of contact with eyes or mouth, rinse immediately. If you feel unwell seek medical advice. Use only in well-ventilated areas. Discard with other household waste products.

COMPOSITION

under 30% Ferric(III) dihydrogen phosphate, water and additives.

STORAGE AND TRANSPORTATION

Store and transport HR PROF in hermetically sealed original containers separately from food products.

Keep at temperature above -5°C. The storing period of the product is 24 months.