

HOLZ PROF

FIRE RETARDANT - Euroclass B-s1, d0 , Euroclass B(fl)-s1 and

FIRE RESISTANCE - Euroclass K₁10,K₂10.

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

PURPOSES

Holz Prof is used for fire protection of wood and wooden parts in different buildings. The product is certified according to EU Regulation 305/2011 - Construction Products Regulation. Holz Prof protects wood against burning, ignition and extends service lifetime of the exposed to the weather conditions timber. The product is suitable for both hardwood and conifer. It is suitable for **internal** and **external** use.

NB! Holz 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 (SBI test EN 13823:2010 and EN ISO 11925-2).
- Euroclass **K₁10,K₂10** EN 13501-2 (EN 14135: 2004, EN 1363-1:1999 and EN ISO 13943: 2000).
- Euroclass **B(fl)-s1** , EN-13501-1 (EN ISO 11925-2:2010 and EN ISO 9239-1:2010).
- 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, non-inflammable material.
- Combines chemically with wood without changing its texture or preventing air circulation.
- Chemically modifies the structure of the wood and does not leach
- Extends service lifetime of the exposed wood
- Fire and explosion proof, without biocide. Without smell, colourless.
- Wood remains durable and can be overcoated.

DIRECTIONS FOR USE

Before applying Holz Prof, always clean the surface of all dust, bark or other contaminants. Holz Prof may be applied with a brush, roller , immersing 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 (Holz 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 1,5–3,0 mm. Each freshly applied coat should be dried at air temperature of +12°C to +40°C (with humidity under 75%); under these conditions the drying time is 1-3 days, but climate conditions like low temperatures and/or high relative humidity can lengthen the drying time.

When using vacuum conditions or immersing, the consumption should also be 300 g/ m² (270 ml/m²), to ensure the right depth of impregnation (1,5–3,0 mm).

The product is completely combined with wood in 7 days. You can paint or cover the surface with other finishing materials.

NB! Do not proceed mechanically the timber after the impregnation. Do not process frozen wood! Do not mix Holz Prof with other products! Stir thoroughly before applying! (Bottom sediment doesn't affect the quality of the product). Please, contact the manufacturer if there are Holz Prof treated wooden structures installation related issues (air spaces, etc.).

STORAGE AND TRANSPORTATION

Store and transport Holz 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.

COMPOSITION

Iron orthophosphate dihydrate, water and additives.

SAFETY MEASURES

Keep locked up and out of the reach of children. Do not get in eyes, on skin, or on clothing. Rinse thoroughly in case of contact with eyes or mouth. Get medical advice/attention if you feel unwell. Use only outdoors or in a well-ventilated area. Discard with other household waste products.