

PyroProtect®

PRODUCT CODE	3031
PRODUCT TYPE	Classes B-s1,d0 and C-s1,d0 fire retardant impregnant for exterior use on both softwood and hardwood surfaces. Waterborne, transparent, helps to prevent mould, rot, mildew and fungi.
DESCRIPTION	PyroProtect® is a fire retardant impregnant with inbuilt weather resistance properties. Suitable for processing new and wood preservative-treated wooden surfaces, not suitable for surfaces treated with film forming coatings (lacquers, paints, oils) The product is intended for both industrial and DIY use, for treating log and timber houses, timber facades, claddings, profiles, fences, bridges. Surfaces treated with PyroProtect® do not require post processing with film-forming coatings unless for aesthetic reasons.
TECHNICAL INFORMATION	Attributes: PyroProtect® gives the highest possible fire retardancy for wood (Euroclass B-s1,d0 and C-s1,d0) and forms water-repellent layer on the surface of treated wood. PyroProtect® has excellent resistance to severe weathering. Helps to prevent problems caused by moisture and pests (mould, rot, blue stain, fungi, mildew). Emission classification: The product does not contain formaldehyde or carcinogenic or toxic substances. Active agent: Composition of Carbonic Acid Salts and Carbamide. Fire performance: EuroClass B-s1,d0 (consumption based on 300-350 g/m ²) or EuroClass C-s1,d0 (consumption 160-200 g/m ²) Actual consumption depends on the method of application and conditions, absorption properties of the to be applied substrate. Resistance to fire in average conditions, duration circa 10 years internal and circa 5 years external. Fire retardancy forms in 5-7 days after processing.
APPLICATION	PyroProtect® is suited for manual (with a brush, spray, immersing, lint-free cloth) and industrial (flow coating, airless spray) treatment. Contact out Technical Department for specific details.
INSTRUCTIONS	The timber substrate to be treated must be clean, free of dust, dirt and loose particles and previous coatings. Ensure the following recommended conditions during the application and drying: PyroProtect temperature between +10 to +25° C Air temperature +10 to +50° C Relative humidity 40 to 65 % Timber moisture content between 12 to 18 % Stir well before use. Once opened, ensure that the containers are re-closed firmly. If the container has been subject to repeated openings, check the suitability of the material for the intended purpose. The surface timber must receive 3 coats with no less than 60 minute intervals, depending on type of wood, air temperature, and humidity level. Allow PyroProtect® to completely dry in between applications. Complete Drying time is 48 h at +20° C and average humidity of 40 to 70%. (Actual drying time depends on the temperature, humidity, type of wood, surface layer thickness, and room ventilation).
POST PROCESSING	PyroProtect® does not require lacquering or subsequent processing with film-forming coatings. In case of mechanical damage of treated surface (breaking of the coating film caused by an outside force) it is mandatory to carry out on-spot repairs with in accordance with the maintenance guidelines. If the treated boards are sawn or cut any bare wood surface must be treated with PyroProtect®.
OVERCOATING/ PAINT STAIN	The timber must be fully dry before any top coat of a water based paint or stain is applied. The timber, once coated with PyroProtect® must reach 14-18% moisture content if not completely dry before a top coat is applied as this could cause the coating to bubble or crack.
CLEANING OF EQUIPMENT:	Water with mild detergent.
HEALTH & SAFETY	Use protective clothing, goggles and gloves. Avoid eye and mucosa contact. If contact has occurred rinse with plenty of water for several minutes. Wash of skin with water. Observe the Material Safety Data Sheet requirements. MSDS describes the potential risks necessary protective equipment. For MSDS information please contact manufacturer or local distributor.

The suitability of the material shall be inspected by the manufacturer with respect to his/her requirements regarding quality, colour, and the like, e.g. by a sample staining and/or sample varnishing. The above information is based on our testing and experience. Furthermore, the information does not represent any warranty of any characteristics and thus does also not represent the contractually agreed nature of the product. Additionally, the information does not claim any completeness and it is given without any warranties.

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