

Technical data sheet

E U C A M – Wood

<i>Product Description:</i>	Intumescent fire proof coating according to DIN 4102 – Part 1, class B1 , water-based, halogen- and solvent-free, transparent, dilutable with water. Certificate-No.: PZ-Hoch -210927, issued by Prüfinstitut Hoch, Germany.
<i>Package:</i>	5 or 12,5 kg container.
<i>Area of application:</i>	All timber structures, such as wall and ceiling cladding made of solid timber, insulating boards, chipboards and plywood, from >12 mm in thickness, as used in office buildings, private dwellings and hospitals, barracks, schools, theatres, restaurants, hotels and any other assembly rooms. Not suitable are timber elements under a mechanical load, such as doors, cupboards, floors, and items exposed to water (rain) or humidity in excess of 70%.
<i>Ingredients:</i>	Ammonium-polyphosphate, carbon-donor made from natural starch, additives. Not containing any organic solvents, halogens or hazardous metal salts.
<i>Mode of action:</i>	EUCAM-Wood , exposed to heat, develops an intumescent coating formed by pure carbon, which acts as an insulator for heat and oxygen.
<i>Long time protection:</i>	The coating lasts for five years if properly applied.
<i>Smell:</i>	almost no smell detectable
<i>Colour:</i>	Colourless
<i>Rate of application:</i>	Solid timber, chipboard and plywood of > 12 mm thickness: 550 g/m² , if finishing vanish EUCAM-5001 is used: 450 g/m ²
<i>Application:</i>	EUCAM-Wood is applied with roller, brush, or pneumatic with airless spraying equipment. The thickness required is 350 µm and has to be achieved favourably with two coats. The painting has to be carried out exclusively at a temperature of at least +10°C and humidity not exceeding 65%. EUCAM-Wood is an industrial paint that cannot be compared with conventional paints. Depending on the condition of the surface some crazing or slight dulling of the coating may arise. This however does not affect the fire protection properties. To protect the coating from humidity the application of a finishing vanish is recommended. EUCAM-finishing vanish is approved for this purpose. The application rate of the finishing vanish is 50 g/ m² .

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<i>Drying time:</i>	Depending on the surface of the wood, the temperature and the humidity. At normal humidity (< 65%) and at > 10°C drying time does not exceed 6 hours per sequence of coat. Complete drying can be expected after 1-2 days. Then finishing vanish can be applied, which, in turn, is dust-dry after about 1 hour and right through within about 8 hours.										
<i>Preparation of the surface:</i>	The surface must be free from dust and grease. All old loose coatings must be removed completely before applying EUCAM-Wood . The surface is to be examined carefully to ensure there are no residues of waxed staining, grease, mould oils, lime or water glass. When there are adhesion problems the surface is to be roughened. Painting of small trial areas in advance to check the adhesion is to be recommended.										
<i>Cleaning of equipment:</i>	EUCAM-Wood can be removed with warm water and mechanical cleaning of the equipment.										
<i>Storage:</i>	EUCAM-Wood is susceptible to freezing and must be stored at temperatures over 0°C. The shelf-life of EUCAM-Wood is 12 month.										
<i>Technical data:</i>	<table><tr><td>Viscosity:</td><td>slightly thixotropic</td></tr><tr><td>Flash point:</td><td>non-combustible</td></tr><tr><td>Specific weight:</td><td>1.3</td></tr><tr><td>Thinner/Cleaner</td><td>water</td></tr><tr><td>Solide</td><td>88%</td></tr></table>	Viscosity:	slightly thixotropic	Flash point:	non-combustible	Specific weight:	1.3	Thinner/Cleaner	water	Solide	88%
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<i>Protective measures:</i>	EUCAM-Wood and finishing vanishes are almost neutral. Keep EUCAM-Wood away from food for human or animal consumption and do not allow it to get into soil, water or drainage.										

These notes are only intended as advice. All of the values given from technical tests and practical experience are to be taken as a guide only and are intended to give a broad indication of the applications possible. No rights and obligations may therefore be derived from them.

For additional information see original technical approval certificate from Prüfinstitut Hoch and material safety data sheet