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AITHON ECO FRX

WATER BORNE, ECO-FRIENDLY FIRE RETARDANT FOR TIMBER

Recommended for facades, CLT, cladding and outdoor applications

AITHON ECO FRX is a water based stain that is easily absorbed into the wood and definitely modify its reaction to fire, while the surface remains clean and natural.

AITHONFIRE ECO FRX is easy to apply by brush, spray gun or dipping.



FIRE PERFORMANCE

BS EN 13501-1 **Class B-s1-d0** on solid timber, **C-s1-d0** on CLT.
BS EN 13501-1 Class **B_{fl}-s1** on glulam floor

EMISSION CLASS

The product does not contain formaldehyde, halogens and carcinogenic or harmful substances.

APPLICATION

The required consumption to achieve Class B-s1-d0 is 300 g/m² and it may require 2 or 3 coats, depending on absorption properties and on timber moisture content.

AITHONFIRE ECO FRX is easy to apply by brush or spray gun, and it is also suitable to dip or vacuum applications.

The surface must be clean, dry and free from contaminants and old paints and varnishes.

During application and drying ensure that ambient temperature is never below 5°C. At 20°C

and 60% R.H. the drying time is approximately 90 minutes and more coats can be applied in the same day. Ambient temperature below 15°C and relative humidity above 65% increase drying time, and in that case 24 hours between coats are recommended. Full drying requires 24 hours at 20°C and 65% R.H.

LIFETIME

Once the product is absorbed into the timber and the surface is completely dry, the reaction to fire of timber is permanently improved, as no one of the product components are subjected to natural decay.

CLEENING

Water, or water with neutral detergents.

STORAGE

Shelf life is 18 months in original, sealed containers.
Protect from freezing; storage temperature: 7 – 30 °C.

SAFETY

During application avoid contact with skin, eyes and mouth. In case of accidental contact, wash thoroughly the affected area with water. Wear safety goggles and rubber gloves during handling and application of the product. Ensure adequate ventilation and use appropriate mask when spraying. More detailed information can be found in the Material Safety Data Sheet.

This Product Data Sheet supersedes those previously issued.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the products herein must be determined exclusively by the buyer and/or user.

Aithon Ricerche International accepts no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. This product is intended for professional use only; this implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects.

Product data are subject to change without notice. The latest versions of data sheets, safety data sheets and application manuals are available on our home pages www.aithon.eu or may be requested to our Technical Service.