



WOOD FR.70

Fire Retardant and fire barrier for the Protection of Timber by Impregnation

WHAT IS WOOD FR.70 FOR ?

WOOD FR.70 is a waterborne, eco-friendly, non-toxic, fire retardant and fire barrier, especially designed for the treatment of wooden surfaces.

WOOD FR.70 is a one component liquid that anchors to the cellular structure of wood leaving a transparent, colourless, water resistant and dry original appearance to the durable treated wood.

The system is only completed after applying either the protective **ARIOMAT : WOOD VARNISH, WOOD OIL or WOOD HYDROSHIELD LIQ**, depending on the desired end-effect and properties.

ADVANTAGES AND PROPERTIES

- Outstanding wood penetration and saturation
- Incombustible
- Water resistant
- Odourless
- Ecological and non toxic
- Free of Formaldehyde
- No VOC
- Drying at room temperature
- Clear end effect
- No leaching out
- Dry touch
- Liquid
- pH: ± 6
- Solid content: ± 68 %
- Water soluble

WHAT FIRE-STANDARDS CAN BE PASSED ?

Treated under the right conditions, various wood types can result in passing the harmonised EU Standard EN 13501-1 class B / C and US Standard ASTM E84 Class 1 / Class A (Steiner Tunnel Test), by developing a self-extinguishing, intumescent reaction in contact with fire.

APPLICATION

Preparation

General: As every wood type and the way they have been sawed, have different density and absorption properties and thus different degrees of combustion, Pre-trials are mandatory to evaluate the required add-on. This figure will help defining thinning ratio and layer amount of WOOD FR.70.

Application

- By brush or roll : Apply 2 or 3 layers generously. No need to be completely dry before applying second and third layer.
- By spray: Apply 3 layers as described above. Injection opening 1.6 to 2.2 with a cup-above gun pressure 2 to 3 bar. Use only stainless-steel parts (couplings, seals...)
- **Light Sanding ???**

For more transparent effect dilute with **WOOD COLOUR BASE dilution**

Drying

- Drying time: Depends on add-on.

Consumption

- Depends on the nature of absorption of the substrate and the required Standard.

End effect

- Dry touch.

Finishing

After complete drying, a waiting period of 3 weeks at 20 °C is required to avoid water stains. Then, the surface can be finished. As the type of finish can cause differences in colour appearance, it is strongly advised to carry out a test beforehand with :



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- **ARIOMAT : WOOD VARNISH, WOOD OIL, or WOOD HYDROSHIELD LIQ**
→ Please consult the technical data sheets of these products.

PACKAGING

- Jerry Cans of 25 kg
- IBC's of 1000 L
- Bulk

STORAGE

- Store in dry conditions, in original packaging, at a temperature between 5 to 35°C.
- The product is frost sensitive, use frost-free storage and transport.

SECURITY

Please consult the safety data sheet.

IMPORTANT NOTICE:

Our liability is limited to the product itself, its processing and application are excluded. Own tests must be carried out prior to each treatment. We reserve the right to change our products and their composition and to amend the associated technical notes without prior notice. Please ask our advisory service for the latest version of this technical note.