Technical Data Sheet

Protecflam Industries
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Verniflam® AITHON ATR24

Intumescent coating for wood and wood-based materials

Description

Verniflam® AITHON ATR24 is a water-based intumescent coating for the fire protection of wood and wood-based materials in interiors. Verniflam® AITHON ATR24 delays the spread of fire and reduces the flammability of wood and wood derivatives.

Use

Verniflam® AITHON ATR24 can be applied with or without Verniflam® AITHON F3A or Verniflam® AITHON F3 topcoats indoors to improve the reaction to fire of wood substrates.

The coating is film-forming, translucent, matt and very slightly whitish.Before use, contact Protecflam Industries to ensure that this product is suitable for the desired application.

Fire reaction

Wooden support: Classified B,s1-d0 according to NF EN 13501-1. FCBA classification report
Wooden support: Classified C,s1-d0 according to NF EN 13501-1. FCBA classification report

Fire resistance

To date, no such tests have been carried out. If applications require fire resistance performance, refer to Verniflam® AITHON PV33.

Storage

Store in original, unopened packaging at temperatures between +5°C and +30°C.

Store in a cool, dry place.

5 kg, 10 kg and 20 kg packaging.

Verniflam® AITHON ATR24 must be protected against frost.

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Technical specifications

Density: Approx. 1.2 g/cm³ at 20°C

Solids content (mass): 41%

Viscosity:

	A3	V	6RPM
Pure viscosity	7 205,6	mPa.s	36%
Diluted in water	5 075,7	mPa.s	25,3%

Theoretical application weight: Between 150 and 250 g/m² depending on the substrate and performance required.

Curing time: Dust dry after approx. 2 hours (23°C, 50% r.H.).
Fully cured after approx. 24 hours (23°C, 50% r.H.).
Increased film thickness and higher relative humidity in the drying area generally slow down the drying process.

Installation and substrate preparation

The substrate must be installed in accordance with good practice.
The substrate must be dry and free from dust, oil, wax, grease, dirt, resin, etc.
Existing coatings or coatings with poor adhesion must be completely removed.
In all cases, sand the substrate using abrasive paper.
The moisture content of the wood must not exceed 12%.

Conditions of application / Limitations

Temperature

Minimum +5°C, maximum +30°C

Relative air humidity

Maximum 70%. If the relative humidity is higher than 70%, measures must be taken to prevent condensation forming during application. Dew points must not be exceeded.

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Special instructions

kneading products

Stir with a mechanical mixer at low speed until smooth.

Methods of application

Surface quality and the number of working passes are strongly influenced by the application method. The specified dry film thickness is best achieved by airless spraying, which also provides the best surface quality. When applying with a brush or roller, additional passes are required.

The varnish can be diluted with water up to a maximum of 5%.

Tool cleaning

With water or cleaner for water-based finishes, immediately after completion of the work.

Measured values

All technical values given in this data sheet are based on laboratory tests. Circumstances beyond our control may lead to deviations from the actual values.

Local restrictions

The information given in this technical data sheet applies to the corresponding product supplied by Protecflam Industries.

Safety notes

For further details, please consult the safety data sheet currently available from Protecflam Industries.

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