Techical Data Sheet

Protecflam Industries
Edition 16/06/2026

Verniflam® AITHON F3

Finishing coating for wood and wood-based materials

Description

Verniflam® AITHON F3 is a translucent topcoat (varnish) in a solvent-based formulation that does not downgrade the fire performance of timber and wood-based materials used indoors.

Use

Verniflam® AITHON F3 can be used on its own indoors without affecting the fire reaction classification of the wooden substrate to which it is applied. The coating forms a film, is transparent and has a matt finish.

Before use, contact Protecflam Industries to ensure that this product is suitable for the intended application.

Fire Reaction

Wood substrate: Non-classifiable

Wood substrate: Classified as C, s1-d0 with Verniflam® AITHON PV33 in accordance with standard NF EN 13501-1. FCBA classification report

Wood substrate: Classified as B, s1-d0 with Verniflam® AITHON PV33 in accordance with standard NF EN 13501-1. FCBA classification report

Storage

The product must be stored in its unopened original packaging. Store at temperatures between +5°C and +30°C: 18 months from the date of manufacture. Store in a cool, dry place.

Packaging sizes: 4 kg – 20 kg

Verniflam® AITHON F3 must be protected from frost!

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Technical Data*

Density:	Approx. 1,05 g/cm³
Gloss:	Mat (10)
Solids content:	Approx. 59% (EN ISO 3251)
Viscosity:	700-800 mPa.s (Brookfield)
Curing time:	Dust-free after approx. 2 hours (23°C, 50% r.h.)Fully cured after approx. 24 hours (23°C, 50% r.h.) An increase in film thickness and a rise in relative humidity at the drying site generally slow down the drying process.

All values were measured at 20°C ± 2°C

Installation and preparation of the substrate

The substrate must be prepared in accordance with best 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 sandpaper. The moisture content of the wood must not exceed 12% (+/- 2%).

Conditions of use / Limitations

Temperature

Minimum +5°C, maximum +30°C

Relative humidity

No more than 70%.
If the relative humidity exceeds 70%, measures must be taken to prevent condensation from forming during application.

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Special instructions

Mixing the product

Stir using a low-speed mechanical mixer until a smooth, lump-free mixture is obtained.

Application methods

The product can be applied using a spray gun or a brush/roller.

Cleaning tools

Use a solvent-based thinner (e.g. white spirit) immediately after use.

Measured values

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

Local restrictions

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

Safety notes

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

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