Technical Data Sheet

Protecflam Industries
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Verniflam® AITHON PV33

Intumescent coating for wood and wood-based materials.

Description

Verniflam® AITHON PV33 is a water-based intumescent coating for fireproofing wood and wood-based materials indoors. Verniflam® AITHON PV33 delays the spread of fire and reduces the flammability of wood and wood-based materials.

Use

Fire reaction	Application	Density	Packaging
B-s1,d0 C-s1,d0	INT 1*	1,2 g/cm³	5 kg 10 kg 20 kg
	* For indoor use only		

Fire resistance	Color	Material	Dilution
R15 to R60	Transparent	Wood	Water phase

Verniflam® PV33 must always be used with a finish coating such as Verniflam® F3 or F3A.
Please contact Protecflam for more information concerning available finish coating.
Please check application instructions for details.

Fire reaction

Wood substrate: Classified B,s1-d0 according to standard NF EN 13501-1. FCBA classification report
Wood substrate: Classified C,s1-d0 according to standard NF EN 13501-1. FCBA classification report
Wood substrate: Classified A according to ASTM E84

Fire resistance

Wood substrate: improved fire performance in accordance with ENV 13381-7 and NF EN 13501-2 - CSTB report. Refer to Eurocode 5.

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Properties*

Colour:	Transparent
Gloss:	glossy (between 80 and 100)
Density:	Approx. 1.27 to 1.33 g/cm³
Solid content (mass/mass):	57% (+/- 5%)
Viscosity:	48-90s (FordCup#4)
Theoretical application weight:	160 to 1150 g/m² depending on the substrate and the desired performance
pH:	6,7 (+/- 0,5)

All measurements were taken at 20°C +/- 2°C.

Curing time per coat:
- Dust-free after approx. 2 hours (23°C, 50% relative humidity).
- Fully cured after approx. 24 hours (23°C, 50% relative humidity).
- Increasing film thickness and relative humidity in the drying area generally slow down the drying process.

Precautions

Cannot be applied to elements under mechanical stress causing radii of curvature on the varnished element. Dew point: No condensation.

During application and drying, the substrate and application environment must be at least 3°C above the dew point.

Verniflam® AITHON PV33 must be protected from frost.

Packaging & Storage

Packaging: 5, 10 or 20 kg.
Must be stored in the original, unopened packaging.
Storage at temperatures between +5°C and +30°C: 18 months from the date of production. Store in a cool and dry place.

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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.

Restrictions

The indications mentioned in this product data sheet are valid for the corresponding product delivered by Protecflam Industries.

Safety

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

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