Technical Data Sheet

Protecflam Industries
Edition 29/01/2025

Verniflam® AL20X

Intumescent coating for wood and wood derivatives

Description

Verniflam® AL20X is a water based intumescent paint for timber fire protection that can be used indoor and outdoor.

Before use, please contact Protecflam Industries to make sure the product is suitable for your needs.

Fire reaction class

Class B-s1-d0 in one coat. No top coating required for indoors
Class B-s1-d0 reaction to fire to any wooden substrate having density 390 kg/m3 or above

Classification Report: 0944/DC/REA/16_3 (EN 13823, EN ISO 11925-2)

Color & conditioning

Opaque white.
Matt finish.
20 kg or 5 kg cans.

Storage

Store in a cool dry and shaded place, protected from direct sunlight up to 18 months from the production date. The storage temperature should be between +5 °C et +30 °C:

Protect from freezing!

Technical data

Density :	approx. 1,32 g/cm³ (20°C)
Solids content (weight) :	60 to 65 g/L.
V.O.C. :	< 25 g/L

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Spreading rate : approx. 250 g/m² (indoor)
approx. 350 g/m² (outdoor, with top-coat F4X)

Drying time : at +20°C, RH 55%: touch dry after 30 minutes. Ready for overcoating after 16 to 24 hours.

Drying time may vary according to wet film thickness and relative humidity of the drying room.

Before use

Timber pieces must be dry and cleaned from dust, paint, wax, dirt, resin etc.

Use a sanding machine if needed.

Timber humidity must not exceed 12%, température should be between +5°C and +30°C.

Air relative humidity must not exceed 70%.

Instructions for use

Stiring

Stir well until the product is homogeneously consistant and without lumps. Use a low-speed mechanical display if needed.

If air temperature is low (5°C - 10°C), warming the product to approx. 30°C is recommended.

Coating

Product can be applied with a brush, a roller or a spray gun at 250 to 350 g/m² (depending on the use, see above spreading rates) in two coats. Water may be added (5 to 10 %); adjust spreading rates accordingly.

Thinner

Water or neutral detergent. Rinse and clean tools immediately after work.

Other

Between two coats, gently sand the surfaces using 120-grit abrasive paper.

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Measured values

All the values included in this technical sheet have resulted from laboratory tests. Deviations from standard values may occur.

Safety

For additional safety information, please read the Material Safety Data Sheet at Protecflam Industries.

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