Technical Data Sheet

Protecflam Industries
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Verniflam® IC18

Flame retardant clearcoat for fire protection of wood floorings.

Description

Verniflam® IC18 is a two-component polyurethane fire-retardant varnish used for fire protection of floors and parquet made from all types of wood, while preserving their natural appearance.

Use

"Verniflam® IC18 can be applied alone for interior use, without altering the fire reaction classification of the wooden substrate on which it is applied. The coating is film-forming.

Mixing ratio:
- Component A: 2
- Component B: 1

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

Fire reaction

Wooden substrate: classified Bfl-s1 according to NF EN 13501-1.

Storage

Storage must be carried out in the original, unopened packaging.
Storage at temperatures between +5°C and +30°C: 12 months from the date of production.
Store in a cool, dry place.

Packaging:
- Base: 5.0 kg
- Hardener: 2.5 kg

Verniflam® IC18 must be strictly protected from frost.

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Technical data

Colour:	Transparent
Gloss:	brillant 50 @ 60° / Satiné 15 @ 60° / Mat 4 @ 60°
Density:	Approx. 1.10 g/cm³ at 20°C
Solids content:	57% (+/- 5%)
Viscosity:	N.A.
Theoretical application rate:	Minimum 80 g/m²
Drying time:	Touch-dry after approx. 2 hours / Sandable after approx. 8 hours Fully cured after approx. 24 hours (20°C, 60% R.H.). Increased film thickness as well as higher relative air humidity in the drying area generally slow down the drying process.

Application and surface preparation

Proper surface preparation is required, including cleaning, sanding, and removal of loose particles and dust. For most types of wood, application requires light sanding with fine-grit sandpaper (180–240) after the first coat to remove raised wood fibres.

Application conditions / Limitations

Temperature

Minimum +5°C, maximum +45°C

Relative air humidity

As with all coating products, suitable environmental conditions must be maintained during application and curing. In particular, relative humidity must remain above the dew point, and condensation and moisture must be avoided at all times.

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Special instructions

Product mixing

Verniflam® IC18 is a two-component product and must be properly mixed immediately before application, stirring to ensure complete and homogeneous incorporation. Mixing ratios must be strictly respected.

Application methods

Application, by spraying (airless or airmix), brush or roller, must be carried out in at least two cross coats.

Tool cleaning

With cellulose thinner, immediately after completion of the work.

Measured values

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

Local restrictions

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

Safety instructions

For further information, consult the valid safety data sheet provided by Protecflam Industries.

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