CEDRIA Fire-Resistant Varnish B-77

Technical Sheet

Professional Range

Product Description

Fire-resistant, colourless, single-component water-based varnish. Improves the fire reaction of wooden substrates, achieving a Bs2d0 classification. Laboratory testing with ISO/IEC 17025 accreditation.

Properties

- Classed as Bs2 d0 in the EUROCLASS system for its application as a coating of WALLS and CEILINGS according to the European Standard UNE-EN-13501-1.
- Classed as Bfl s1 in the EUROCLASS system for its application as a FLOOR coating according to the European Standard UNE-EN-13501-1.
- Excellent hardness and resistance to rubbing and abrasion.
- Slight cloudiness caused by the fire-resistant additive which disappears once applied. Good transparency.
- No yellowing.
- Environmentally friendly.

Recommended Uses

Suitable for interiors, suitable for semi-protected exteriors. For skirting boards, facings, decking, wood flooring... which require some fire resistance

Technical Characteristics

Resin	Acrylic-polyurethane
Finish	Silky satin
Odour	Odourless
Viscosity	Brookfield 2000 - 3000 mPa.s (L3, 20 25°C)
Density (20ºC)	1.07 kg/l
Solvent Type	Water
VOC	It contains 67 g/l. - Limit value 2004/42/CE-IIA cat. i) is VOC max. 140. g/l (2010)
Drying	1h (Touch dry). Repainted: 2h
Application Conditions	Maximum Relative Humidity 65%. Temperature between 5º and 35º
Storage	Conserve inside at temperatures between 5ºC and 35ºC
Container sizes	4l and 20l
Utensils and Cleaning	Brush, roller or spray-gun. Clean with water
Colours	Neutral
Coverage	3 m²/l

Safety

- All current legislation must be followed in the case of storage and handling.
- Storage Life: 2 years in sealed containers and at storage conditions as recommended in the Technical Characteristics section.
- Prevent the product or product residues coming into contact with water courses. Remember: the care and protection of the environment is the legacy for our future generations.
- Keep out of the reach of children.

Quality Guarantee

CEDRIA products have been developed, manufactured and sold under the most rigorous quality standards.
These recommendations are made in accordance with the current state of our knowledge and provide general information about the application and use of the products. Given the variety of substrates, uses and application techniques, the purchaser/user remains responsible for checking the materials, their application and the final result. For this reason the purchaser/user is advised to test the product prior to the final application.

Application and Preparation of the wood

It is essential to prepare the wood properly before applying the varnish:

1. The wood should be dry (with less than 18-20% humidity).
2. The wood should be free from dust, grease, residues and other substances.
3. Before applying the varnish, it is recommended to sand the wood in the direction of the grain to improve adhesion.120
4. Product is ready to use (Only when using a spray-gun, if necessary, dilute with 5% water, preferably distilled).
5. Stir (do not shake) the product vigorously with a spatula before using.

New Wood

- **It is essential to prepare the wood before applying the varnish. See the section on application and preparation of wood.**
- Apply 2 coats of CEDRIA FIRE-RESISTANT VARNISH B-77 so that a rate of 350g/m² is achieved. First coat 200g/m² and second coat 150g/m² Drying time between coats 2-3 hours.

NOTE: To ensure the correct fire reaction, it is ESSENTIAL to respect the TOTAL DOSAGE of 350 g/m².

Instructions according to the spraying system

Equipment	Nozzle	Air pressure (bar)	Varnish pressure (bar)
Cup	1,5 to 1,9	0 to 2	---
Airmix	9 to 11	0 to 2	---
Airless	11 to 13	---	150 to 200

Additional Recommendations

- For woods such as Oregon or Longleaf Pine which are resinous or have resinous knots, after sanding and before applying the wood stain, it is recommended to wipe the wood thoroughly with a cloth soaked in any resin-removing product.
- Drying times will vary according to temperature and relative humidity.
- To ensure maximum protection outdoors avoid sanding between coats.
- When sanding, avoid using metallic scouring pads, steel wool or any other tool that can leave metal remnants.

*[1]: See the Technical Sheet for the product.