CEDRIA Intumescent Paint B-15

Data Sheet

Professional Range

New Formula

Description

White intumescent water-based coating. Under the action of heat or flame it develops a protective and insulating foam with low thermal conductivity, protecting the material from thermal transmission and the destructive action of fire.

Properties

- Good adhesion.
- White, with the option of being pigmented.
- **Certified according to EN 1363-1:2021 which guarantees an R of 15 to 90 minutes.**
- Fire protection for structures, beams, and pillars.

Recommended uses

Beams, wooden pillars, and other materials. For interior use. Exterior with protection.
We recommend applying 1-2 layers of CEDRIA ENAMEL PAINT PLUS to improve the finish and protect the intumescent coating, thus improving its long-term efficiency. If fire-resistant performance is required, apply 200 g of CEDRIA MULTI-SURFACE FIRE-RESISTANT PROTECTIVE COATING B-20*[1], which has excellent fire-resistant properties and is classified under the EUROCLASSES system as Bs1d0 (walls and ceilings) in accordance with European Standard UNE-EN-13501-1; BFLs1 (floors) in accordance with European Standard UNE-EN-13501-1 and BROOF(t1) (external roofs) in accordance with European Standard UNE-EN-13501-5.

Technical features

Resin	Acrylic emulsion - vinyl
Finish	Opaque white. Silky.
Odour	Characteristic odour.
Viscosity	Brookfield 5500 – 8000 mPa·s (L4, 50 25°C)
Density (20°C)	1.29 kg/l
Type of solvent	Water
COV	It contains 25.4 g/l. - Limit value 2004/42/CE-IIA cat. i) is VOC max. 140g/l (2010)
Dry time	To touch: 3-4 hours. Second coat: 5-6 hours.
Application conditions	Maximum relative humidity: 65%. Temperature 5º and 35º
Storage	Keep indoor temperatures between 5°C and 35°C
Container	4l and 20l
Tools and cleaning	Brush, roller or sprayer. Clean with water.
Colours	White. Option to pigment.
Performance	See table below. The amount depends on the required fire resistance.

Safety

- Current laws concerning storage and handling must be respected.
- Storage time: 2 years in a closed container and the storage conditions recommended in the Technical Specifications section.
- Prevent the product or its waste from entering waterways. Remember: caring for and protecting the environment is the legacy for our future generations.
- Do not handle the substance before having read and understood all safety instructions. Wear gloves, clothing, protective glasses and respiratory protection equipment.
- Keep out of the reach of children

Quality guarantee

CEDRIA products have been developed, manufactured and marketed under the most stringent quality standards.
These recommendations represent 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 buyer/user is not free of their obligation to control the materials, their application and the end result under their responsibility. This is why we recommend that the buyer/user performs a test before the final application.

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Preparation of the substrate

The success of the intumescent coating is proportional to the degree of surface preparation; therefore, it is essential to follow the following instructions before applying the product:

1. The wood must be dry (less than 18-20% moisture).
2. The wood must be clean of dust, grease, and other substances.
3. Before applying CEDRIA Intumescent Paint B-15 we recommend sanding the wood in the direction of the grain to improve adhesion.120. We recommend carrying out an adhesion test on a small area before starting the entire application.
4. Product ready for use. Apply directly with a brush, roller or spray gun (See recommendations in Annex I at the end of the Date Sheet).
5. Stir the product vigorously with a spatula or stirrer before using. In case of extended applications, we recommend stirring the product periodically to ensure homogeneity.
6. Avoid applying with a relative humidity above 80%, on overheated substrates or temperatures below 10°C.

Application

- **It is absolutely necessary to prepare the substrate before applying the coating. See section Substrate Preparation.**
- Apply CEDRIA INTUMESCENT PAINT B-15. Dose: See performance table according to the required fire resistance (previous page). The drying time between coats is 5-6 hours, depending on the load.
- For a better finish and to prolong the life of the intumescent coating, apply 1-2 coats of enamel, with CEDRIA ENAMEL PAINT PLUS*¹. Dosage 100 g/m² per layer. The drying time between coats is 1 hour.
- **To achieve a finish with Bs1d0, BFLs1 or BROOF(t1) fire-resistant protection, apply 2 coats (200 g/m²) of CEDRIA MULTI-SURFACE FIRE-RESISTANT PROTECTIVE COATING B-20*¹. Allow 1 hour to dry between coats.**

Maintenance

- **It is absolutely necessary to prepare the substrate before applying the coating. See section Substrate Preparation.**
- Remove traces of the previous product by sanding or striping the substrate with CEDRIA REMOVER GEL*¹ in order to improve adhesion.
- Apply CEDRIA INTUMESCENT PAINT B-15. Dose: See performance table according to the required fire resistance (previous page). The drying time between coats is 5-6 hours, depending on the load.
- For a better finish and to prolong the life of the intumescent coating, apply 1-2 coats of enamel, with CEDRIA ENAMEL PAINT PLUS*¹. Dosage 100 g/m² per layer. The drying time between coats is 1 hour.
- **To achieve a finish with Bs1d0, BFLs1 or BROOF(t1) fire-resistant protection, apply 2 coats (200 g/m²) of CEDRIA MULTI-SURFACE FIRE-RESISTANT PROTECTIVE COATING B-20*¹. Allow 1 hour to dry between coats.**

Table of certified dosages:

t (min)	WOOD THICKNESS (cm)	V (litre/m²)	Indicative number of layers
15	Under 3	**0,97**	**2-3**
	Between 3 and 6	0,87	2-3
	Between 6 and 9	0,64	2
	9 and above	0,58	1-2
30	Under 3	1,35	3-4
	Between 3 and 6	1,24	3
	Between 6 and 9	1,02	2-3
	9 and above	0,95	2-3
45	Under 3	1,74	4-5
	Between 3 and 6	1,60	4
	Between 6 and 9	1,41	3-4
	9 and above	1,30	3-4
60	Under 3	2,12	5-6
	Between 3 and 6	1,98	5
	Between 6 and 9	1,79	4-5
	9 and above	1,66	4
90	Under 3	2,88	7-8
	Between 3 and 6	2,71	7
	Between 6 and 9	2,57	6-7
	9 and above	2,37	6

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NOTE: In order to ensure proper resistance to fire it is **ESSENTIAL** to respect the **TOTAL DOSE** necessary (see **Certified Dose Table)**, especially in wood that due to its nature is not very impregnable. In these cases we recommend applying the coats necessary for ensuring the recommended product load, since it will vary depending on the substrate and the application system used.

Instructions according to the spraying system - Equipment recommended by CEDRIA

Equipment:	Airless (high pressure system that sprays the coating at high pressure without compressed air)
Material pressure:	140 bar or superior.
Nozzle:	17 or higher.
IMPORTANT:	Before projecting the paint is needed to shake it for 10 minutes

Additional recommendations

- CEDRIA INTUMESCENT PAINT B-15 is compatible with earlier and later applications with most water-based products. For added safety a previous test is recommended.
- Drying times will vary depending on temperature, relative humidity, product load and the method of application.
- Product yields and behaviour may present slight changes depending on the type of substrate.
- When sanding, avoid metal scouring pads, steel wool or any other tool that may leave metallic debris.

*1: View Product Data Sheet.