

FEATURES

Mono-component white water-based intumescent paint for fire protection of reinforced concrete structural elements, hollow-core concrete floors or non-load-bearing plastered brick walls, placed indoors or outdoors in semi-exposed conditions.

PRODUCT PROPERTIES

	VALUE	METHOD
SOLID BY WEIGHT	68% ± 2	Internal PF25B
SOLID BY VOLUME	60% ± 2	
SURFACE APPEARANCE	MATT	
DRYING TIMES (20 °C; 65% R.H.)	Overcoatable 6-8 h; Overcoatable with finishing 24h	Internal PF2

EQUIVALENT THICKNESSES UNI EN 13501-2; UNI ENV 13381-3
To be evaluated based on the existing iron cover and the thickness of the elements to be treated.

SPECIFICATION DATA

	VALUE	METHOD
SPECIFIC WEIGHT	1300-11450 g/l	Internal PF3

COLOUR RANGE

White.

SHELF LIFE

12 months in the original sealed can, protected from rain and direct sunlight, at +10/35 °C during transport and storage.

USE

On unpainted reinforced concrete or hollow-core concrete elements (if using water-based paint, it is advisable to carry out an adhesion test of the same) whose fire resistance must be increased; on plastered, non-load-bearing brick walls, where the EI requirement (smoke-tightness and thermal insulation) must be guaranteed.

The quantity of product to be used on reinforced concrete structural elements is calculated according to the type of profile, the existing iron cover and the required fire resistance time R; for non-load-bearing brick walls, the quantity to be applied is established on the basis of tests carried out as per the specific test report.

The protective system involves the application of Ignibeton CLS following the application of wall primer, which is essential for guaranteeing the adhesion of the intumescent paint.

Ignibeton CLS is sensitive to water and humidity, so if the treated substrate is exposed to these conditions, the final application of a specific waterproof finish is mandatory.

TOOLS

Brush, short-haired roller; Airless, 0.48 0.79 mm nozzles (19- 31), operating pressure 120-250 bar. In the case of airless application, remove all the filters from the pump and the gun.

THINNING

Ready to use

COVERAGE (CONSUMPTION)

Non-load-bearing plastered brick walls: EI120, 1.4 kg / m².

Elements in reinforced concrete, depending on the size and value of the iron cover. Brush, Roller min 2,5-5 m²/kg per layer; (0,200-0,400 kg/m² per layer); data at 20 °C, 64% RH.

Airless min. 1-1,33 m²/kg; (0,750-1 kg/m² per layer), data at 20 °C, 65% RH.

In the case of airless application, consider a scrap of about 20%.

APPLICATION TEMPERATURE

+10°C +35°C. When the room temperature is lower than +10°C it is necessary to heat the room (for example the convector heaters) to maintain the temperature >+10°C during the application and for the next 24 hours.

HUMIDITY

Ensure adequate ventilation to maintain <75% RH.
Do not apply the product in the presence of condensation.

COATING SYSTEM

Elements in reinforced concrete (painted or not)

- Remove any traces of dust, any detaching parts from the jet or other loose or contaminating material. Cleaning with pressure washers may be necessary.
- Apply Ignibeton Fondo primer (consumption: 125-170 g / m²)
- after 4-6 hours, apply a first light layer (<250 g / m²) of Ignibeton CLS with the various systems indicated. Apply the successive layers at intervals of about 6-8h, until the required quantity is reached.
- After 24 hours from the application of the last layer of Ignibeton CLS, apply a layer of Ignibeton Finitura for approx. 250 g/m²

The drying times indicated depend on ambient temperature, humidity and ventilation (20°C; 65% R.H.).

Non-load-bearing brick elements

- Remove any traces of dust, any detaching parts from the jet or other loose or contaminating material. Cleaning with pressure washers may be necessary.
- Apply Ignibeton Fondo primer (consumption: 125-170 g / m²)
- After 4-6 hours apply a first light layer (<250 g / m²) of Ignibeton CLS with the various systems indicated. Apply successive layers of Ignibeton CLS at approximately 6-8h intervals until the quantity specified in the specific test report is reached (E1120 with 1400 g/ m² of Ignibeton CLS).
- After 5 days from the application of the last layer of Ignibeton CLS, apply a layer of Ignibeton Finitura for approx. 250 g/m²

Maintenance

Periodically check the state of integrity of the painting film; in case of damage clean up to the support and restore the protective cycle in the damaged part, reapplying the primer where necessary.

SPECIFICATION ITEM

White water-dilutable intumescent paint for protecting reinforced concrete or hollow-core concrete elements, non-load-bearing brick walls, placed indoors or outdoors in semi-exposed conditions, to be pretreated with Ignibeton Fondo and overcoated if necessary with Ignibeton Finitura.

INSTRUCTIONS

To carry out the work in a proper way, it is needed to strictly follow the instructions for the preparation of the surfaces contained in the CAP Arreghini Books. This technical information is intended as a rough guide. However, because of the enormous variety of media and application conditions, it is essential to check the suitability of the product and test the effectiveness on a sample. The specification data and technical information have been calculated at +23°C with relative ambient humidity of 50-65%. In different conditions the data and the time intervals between the two phases of the above reported coating system can vary. Our recommendations on the use of the product are based on observations and accurate research carried out on one's own. The experiences gained in the practical application were also taken into consideration. However, due to the enormous

variety of supports and application conditions, it is essential to check the suitability of the product and its effectiveness by tests carried out on the specific construction.