

Fire resistant acrylic and intumescent sealant

GB / 3.4 / Rev. 2

ACRYLODICE F



odice
PASSIVE FIRE PROTECTION



Product description

ACRYLODICE F fire resistant one-component sealant is an acrylic emulsion with intumescent properties which have been proven by many tests.

It is presented in the form of a paste which is applied using a traditional sealant gun. It air dries and rapidly forms an elastic non-tacky surface skin.

Its fluidity means it can be injected both into narrow, deep openings and cracks and into wider joints, with no risk of slump.

It is a dispersion acrylic sealant and can be painted. It presents excellent adhesion to porous surfaces and is highly suitable for interior joints where there is little movement (up to 10%). Resistant to fire for 4 hours, with conventional infill material.

Features

- Intumescent at temperatures greater than or equal to 200°C,
- when exposed to fire, **ACRYLODICE F** fire retardant sealant expands in volume and a fine protective layer of ash is formed on the exposed surface,
- depending on the nature of the elements sealed and the quantity of sealant employed, fire resistance of several hours can be achieved,
- very good adhesion onto porous surfaces and metals,
- can be painted (we recommend a preliminary compatibility test),
- contains no halogen and does not slump,
- good resistance to ultraviolet rays.

Technical data

Properties specific to ACRYLODICE F	
Density	1,40
Slump	+5°C to +30°C
Average composition	Acrylic dispersion emulsion
Application temperature	Nil
Movement capability	± 10 %
Tack free time	20 minutes
Fire rating	
Please refer to our ETA (European technical approval) -13/0468	

Applications

ACRYLODICE F fire resistant sealant can be used in a wide range of indoor sealing applications:

- Interior fire protection applications.
- Filling of cracks in plaster and concrete.
- Links between fire resistant dampers and masonry.
- Various expansion seals (between concrete blocks in particular).
- Links between fire retardant partitions and masonry.
- Links between metal or wood frames and masonry etc.



Acrylodice F before and after fire exposure



Product range

Colours:

White and grey.



Installation

- The surfaces to which ACRYLODICE F fire resistant sealant is applied must be free from oil and dust. Porous surfaces must be dampened before application to ensure good adhesion.
- The depth of the sealant to be applied is directly linked to the fire rating:

Test results according to the European technical approval (ETA) -13/0468

Wall thickness	Joint width	Joint depth	Application	Fire rating
100 mm	21 mm	20 mm	Double-sided	210 mn rating EI 180 240 mn rating E 240
100 mm	11 mm	10 mm	Double-sided	187 mn rating EI 180 240 mn rating E 240
200 mm	20 mm	20 mm	Double-sided	240 mn rating EI 180 240 mn rating E 240

Test results according to the test report N. RS03-007/B (CSTB in France)

Wall thickness	Joint width	Joint depth	Application	Fire rating
150 mm	20 mm	20 mm	Double-sided	180 mn rating CF 180 298 mn rating PF 240
150 mm	10 mm	10 mm	Double-sided	240 mn rating CF 240 360 mn rating PF 360
200 mm	20 mm	20 mm	Double-sided	360 mn rating CF 360 360 mn rating PF 360
200 mm	10 mm	10 mm	Double-sided	360 mn rating CF 360 360 mn rating PF 360

Installation

- If the joint to be filled is deep, apply the sealant to both sides of the joint (or to one side only for a lower degree of fire resistance), ensuring that no air-bubbles are trapped.
- Although the sealant is unlikely to run out of the joint, it is nevertheless better to fill large joints with several successive runs.
- It is finished with a wet spatula. The sealant is touch-dry after approximately 20 minutes.
- Tools should be cleaned in water only.
- After being allowed to dry for 48 hours, the sealant can be painted using conventional paints.

Packaging

ACRYLODICE F fire resistant sealant is supplied in 310cc cartridges, in boxes of 15 units.

Storage

Store in a cool, dry area. Do not store at temperatures below 5 °C or above 30 °C.
Shelf life: 12 months from the date of manufacture.

Health and safety measures

Observe usual workplace health and safety rules.
Refer to the safety data sheet.

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