

FIRECRYL FR

SELLADOR RETARDADOR INTUMESCENTE

Product:

Firecryn FR is a single component ready to use fire retardant acrylic sealant. It is intumescent when exposed to temperatures of above 250°C and therefore prevents penetration of fire and smoke. Firecryn FR can achieve fire ratings of more than 240 minutes in certain joint configurations (EN 1366 Part 4 – NBN713.020 – BS 476/20)

Characteristics:

- Intumescent at temperatures above 250°C
- Colourfast and waterproof after full cure
- Very good adhesion on porous surfaces and metals
- Can be painted

Applications:

Interior fire proof applications
 Filler of cracks in concrete and plasterwork
 Connection joints on porous surfaces
 Fire retardant sealing of joints with movement up to 10%

Technical Data:

Base	Acrylic Dispersion
Consistency	Stable Pasta
Curing System	Physical Drying
Skin Forming	Surface dry after 20 min.
Shrink	Ca 15%
Specific Gravity	Ca 1,40g/mL
Temperature Resistance	-20°C until +80°C
Maximum Deformation	10%

Surfaces:

Type: brickwork, concrete, other porous building materials

State of Surface: clean, dry, free of dust and grease

Preparation: very porous substrates such as plasterboard, cellular concrete blocks etc must be primed with thinned Firecryn (1 part Firecryn diluted in 2 parts water).

We recommend a preliminary compatibility test.

Joint Size:

Minimum Width: 5mm

Maximum Width: 20mm

Joint configuration: width = depth

Application:

Method: caulking gun

Backing material: PE backer rods for correct joint dimension

Application temperature: +5°C to +30°C

Clean: with water

Repair: with Firecyl FR

Finish: with soapy solution

Approvals:

- Test Report 9297 – University of Ghent to
- NBN 713.020 – EN 1366-4
- BS 476:Part 20 – Warrington Fire Research Report
- TNO-rapport 2000-CVB-R00703

Test Results – Test Report 9297:

Wall Thickness	Width of Joint	Depth of Joint	Application	Fire Rating
100mm	21mm	20mm	Doublesided	210 min. TI Rating EI 180 240 min. FR Rating E 240
100mm	11mm	10mm	Doublesided	187 min. TI Rating EI 1870 240 min. FR Rating E 240
200mm	20mm	20mm	Doublesided	240 min. TI Rating EI 240 240 min. FR Rating: EI 240

TI = Thermal Insulation; the time during which the temperature on the unexposed side of the wall does not rise by more than 180°C

FR = Flame Resistance; the time during which the joints stops flames from penetrating the wall

Fire Rating: Draft European Commission Decision RG N170 REV.1

Packaging:

Colour: white, grey

Packaging: cartridge 310mL,

Shelflife:

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.

Do not expose to frost.