

# FIRECRYL FR

Revision: 01/04/2024

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## Technical Data

Basis	Acrylic Dispersion
Consistency	Paste
Curing System	Physical drying
Specific Gravity	1.57
Skin formation time (23°C/50% R.H.) (min)*	Ca. 20
Maximum allowed Distortion (%)	12.5
Shrinkage (%)	Approx. 15-
Temperature Resistance (°C)	20 to +80
Application Temperature (°C)	5 to 30
Fire Resistance (EN-13501-2)** (min)	≤240

\*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

\*\*This information relates to fully cured products.

### Description:

Firecryl FR is a one-component intumescent plasto elastic joint sealant based on acrylic dispersions.

### Properties:

- Resist the passage of fire and smoke
- Intumescent in contact with fire
- Swells when exposed to temperatures in excess of 120°C
- Stays elastic and can be painted over
- Colour fast and waterproof after curing
- Very good adhesion on many porous surfaces
- MI emission Label

### Applications:

- Interior fire resistant applications
- Fire resistant sealing compound for cracks in concrete and plaster
- Fire resistant connection joints in the building industry
- Fire resistant joints with movements up to 10%.

### Packaging:

Colour: White

Packaging: cartridge 270 ml, 20L, 10L Drum

### Shelf life and storage:

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

### Health and safety recommendation:

Apply the usual industrial hygiene. Consult the label for more information.

### Joint Dimensions:

Minimum Width: 5mm  
Maximum Width: 20mm  
Minimum Depth: 5mm  
Recommendation: joint depth = joint width

Use PE backer rods in case of large joint dimensions to avoid three-sided adhesion.

### Substrates:

Type: all porous building surfaces  
State of Surface: clean, dry, free of dust and grease  
Preparation: prepare very porous surfaces such as plasterboard, cellular concrete etc. with diluted & Firecryl FR (1 part Firecryl FR and 2 parts water)  
We recommend a preliminary compatibility test.

**Remark:** The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

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Apply the sealant by means of a hand held or pneumatic caulking gun. Smoothen the sealant with a filling-knife.

Clean: Uncured Firecryl FR may be removed from-tools with water. Cured sealant must be removed mechanically.

Finishing: with soapy water

Repair: with Firecryl FR

**Remarks:**

- Do not use in applications where continuous water immersion is possible.
- Do not apply when rain or frost is imminent.
- Firecryl FR can be painted over with most paints.
- The paint should be sufficiently elastic to be applied on a plasto elastic sealant. A preliminary test is recommended.

**Standards and certificates:**

- European Technical Approval Firecryl FR - ETA13/0335
- CE-marked (BCCA - EC conformity CPR)
- Joint Sound Reduction Test by IFT
- Various test and classification reports in various-accredited testing institutes: IFT Rosenheim, ITB Poland, Warrington Fire Gent, Warrington Fire Australia, Efectis Netherlands, Efectis France, C-STB France, CSI Italy.
- Test results for penetration seals and or joints with Firecryl FR are freely accessible in the 'Fire Range Application manual Penetration seals and Joints'on the Soudal website. The corresponding certificates can be obtained through the Soudal sales representatives or through the Soudal Website.

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