



Firecryl FR

Product description

Firecryl FR is a fire-resistant, smoke-tight, with heat load intumescent plasto-elastic sealant based on acrylic dispersion.

Properties

- Prevents the passage of fire and smoke.
- Intumesces when exposed to temperatures higher than 120°C.
- Can be painted over after curing
- Easy to apply
- Permanently elastic after curing
- Colourfast and waterproof after curing
- Good adhesion on many porous materials

Applications

- Fire-resistant and smoke-tight indoor applications.
- Is part of the 'Soudal Fire Range' assortment for penetration seals and joints.
- Sealing of fire retardant joints in walls and ceiling.
- Fire-restardant filling of cracks in concrete and plasterwork.
- Applications where the sealant needs to be overpainted with water based paints and varnishes



Technical data

| | | |
|--------------------------------|--------------------|---------------|
| Base | Acrylic dispersion | |
| Consistency | Paste | |
| Curing system | Physical drying | |
| Skin formation | ca. 20 minutes | |
| Density | ca. 1.57 g/ml | |
| Maximum allowed joint movement | ca. 12.5 % | |
| Shrinkage after curing | ca. 15% | |
| Application temperature | +5°C → +30°C | |
| Temperature resistance | -20°C → +80°C | |
| Fire resistance | EN 13501-2 | ≤ 240 minutes |

Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
Highly porous surfaces should be primed with diluted Firecryl FR (1 part Firecryl FR + 2 parts water).
- Substrate types
Firecryl FR has a good adhesion to following substrates: all common porous building substrates. Firecryl FR has no good adhesion or is not suitable for natural stone, bituminous substrates, glass, metal. We recommend a preliminary adhesion and compatibility test on every surface.





Firecryl FR

Application method

- Application method
Do not apply when rain or frost is imminent during the curing process.
- Application tools
With a manual, pneumatic or battery caulking gun.
- Cleaning method
Before curing, Firecryl FR can be removed with water from substrates and tools.
- Finishing method
Finish with a wet spatula or putty knife.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Please consult the product catalogue, the Soudal website or a Soudal representative.

Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.

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

Standards and certificates

- 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, CSTB France, CSI Italy.
- Testresults 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.
- M1 Emission classification of building materials
- European Technical Assessment Firecryl FR - ETA 13/0335

Joint dimensions

- Consult the 'Fire Range Installation Instructions Openings and Sealing' on the Soudal website for the correct joint dimensions depending on the required fire resistance.

Remarks

- Do not use in applications where continuous water immersion is possible.
- Paintable with most paints.
- The paint must be sufficiently elastic to allow application on a plasto-elastic sealant.
- Given the great diversity in available paints, we recommend to do a compatibility test prior to application.

This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. It is general in nature and does not constitute any liability. 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. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.