



Firecryl FR

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 temperature higher than 120°C
- Can be painted over after curing
- Easy to apply
- Permanently elastic after curing
- Colorfast and waterproof after curing
- Good adhesion on many porous materials

Applications

- Fire-resistant and smoke-tight indoor applications
- Is a part of 'Soudal Fire Range' assortment for penetration seals and joints
- Sealing of fire-retardant joints in walls and ceiling
- Fire-resistant 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
Specific Gravity (g/ml)	1.57 ± 0.05
Skin formation (minutes)	~ 20
Shrinkage (%)	DIN 52451 ~ 15
Maximum allowed Distortion (%)	ca. 12.5
Temperature Resistance (°C)	-20 to +80
Application Temperature (°C)	+5 to +30
Fire Resistance	EN 13501-2 ≤ 240 minutes

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

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 and 2 parts water).
- Substrate types
Firecryl FR has a good adhesion to 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 test on every surface.



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Application method

- Application method
Apply the product with a manual, pneumatic or a battery-operated caulking gun.
- Cleaning method
Before curing, Firecryl FR can be removed with water from substrates and tools. Cured sealant must be removed mechanically.
- Finishing method
Finish with a wet spatula or putty knife.
- Repair method
Repair with the same material.

Joint Size

Minimum Width: 5 mm
Maximum Width: 20 mm
Minimum Depth: 5 mm
Recommendation for sealing jobs: Joint Depth = Joint Width

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

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: White
Packaging: 425g Cartridge
Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.

Remarks

- Do not use in applications where continuous water immersion is possible.
- Paintable with most paints, However given the great diversity in available paints, it is recommended to do a compatibility test prior to the application.
- Do not apply when rain or frost is imminent.
- The paint should be sufficiently elastic to be applied on a plasto-elastic sealant. A preliminary test is recommended to prevent cracking.

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.