AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

ACRYLODICE F - Technical Data Sheet-en

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以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

ACRYLODICE F



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Tech. Rev.: 1.0
Ling. Rev.: 1.0

Product description

ACRYLODICE F is a fire-resistant, one-component sealant with foaming properties that expands at temperatures above 250 °C. It reliably prevents the passage of fire and smoke. Depending on the joint, it can achieve a fire resistance duration of up to 240 minutes according to EN 1366-4 (ETA 13/0468). The sealant comes ready for use. It cures when exposed to air to form an elastic, tack-free seal. Its soft consistency makes it easy to inject into narrow and wide joints without slumping. ACRYLODICE F has excellent adhesion to a variety of building materials, ensuring a secure seal in structural distortions in the event of fire. It is halogen-free, suitable for painting and has excellent resistance to UV radiation and moisture.

Properties

- Colour-fast, waterproof, and resistant to UV radiation once fully cured
- Excellent adhesion to porous surfaces and metal
- Suitable for painting
- Expands to form a protective layer at temperatures over 250 °C
- Joint movement of up to ±10%, remains elastic once cured
- Does not contain halogens

Fields of application

- Fire damper installation
- Cable and pipe penetrations
- Working and expansion joins
- Door frame joints
- Ventilation and smoke extraction ducts
- Crack repairs

Technical data

Verification	ETA-13/0468
Composition	Acrylic dispersion, halogen-free
Absorption of movement [%]	±10
Bulk density [kg/m³]	1400
Tack-free	After 20 minutes
Surface finish	Smooth, flexible
Shrinkage	None
Storage	Store in a dry location at room temperature between +5 °C and 30 °C.
Shelf life	Twelve months when the package remains unopened

Fire resistance duration, depending on wall thickness and joint dimensions

As per ETA-13/0468

Wall thickness [mm]	Joint width [mm]	Joint depth [mm]	Application	Class	Fire resistance duration
100	21	20	Double-sided	TI	210 min (EI 180)
				FR	240 min (E 240)
100	11	10		TI	187 min (EI 180)
				FR	240 min (E 240)
200	20	20		TI	240 min (EI 180)
				FR	240 min (E 240)

Extended test results – test report N°RS03-007/B (CSTB)

Wall thickness [mm]	Joint width [mm]	Joint depth [mm]	Application	Class	Fire resistance duration
150	20	20	Double-sided	TI	180 min (CF 180)
				FR	298 min (PF 240)
150	10	10		TI	240 min (CF 240)
				FR	360 min (PF 360)
200	20	20		TI	360 min (CF 360)
				FR	360 min (PF 360)
200	10	10		TI	360 min (CF 360)
				FR	360 min (PF 360)

- TI = thermal insulation: the time during which the temperature on the side of the wall that is not exposed rises to not more than 180 °C.
- FR = flame resistance: the time during which the joint prevents flames from penetrating through the wall.

Colour

White (grey upon special request)

Processing information

Application temperature [°C]	+5 °C to +30 °C

1. Surface preparation:
   - The surfaces must be clean, dry and free from dust, oil and other dirt. Very porous substrates should be dampened slightly to improve adhesion.
2. Application:
   - Inject the sealant into the joint or opening using a standard cartridge gun. When doing so, ensure that the material fills out the whole area evenly without forming cavities.
3. Joint depth:
   - The sealant depth required depends on the desired fire resistance duration. If necessary, seal the joint on both sides to ensure maximum fire protection.
4. Smoothing the surface:
   - Use a spatula or trowel to form the applied compound into the desired shape within the working time (approx. 20 minutes).
5. Curing:
   - The material cures when exposed to air and forms an elastic, tack-free surface. Depending on the joint depth, it may take several days to dry through fully.
6. Subsequent treatment:
   - Following a curing time of at least 48 hours, the surface can be painted over. We recommend checking compatibility beforehand.
   - Clean tools with water immediately after use.

Contents of a package/set

310 ml cartridge (15 pieces per packing unit)

