AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® EF - 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

FLEXILODICE® EF



kuhnodice

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

Product description

FLEXILODICE® EF is a flexible, graphite-based fire protection seal that expands to at least nine times its original thickness when exposed to heat. The integrated cold smoke seal offers additional protection against flue gases. The microporous layer that forms when it expands prevents the passage of flames, flue and hot gases, thus providing effective protection against the dangers of fire.

Properties

- Flexible, intumescent, graphite-based seal
- Integrated cold smoke seal for additional protection
- Expands to nine times its original size when exposed to heat
- Microporous layer prevents the passage of flames and smoke
- Resistant to moisture and carbon dioxide
- Easy to cut and install

Fields of application

- Fire protection doors and windows
- Sealing of joints in fire-resistant building elements
- Additional protection against cold smoke in fire protection systems

Features

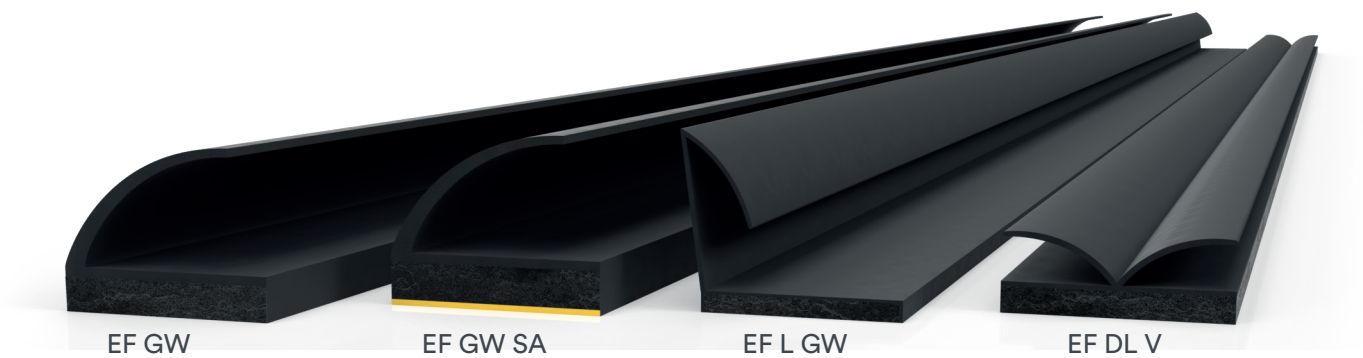
FLEXILODICE® EF is impervious to cold smoke and helps to seal against smoke and gases even in its normal state.

Technical data

Composition	Graphite-based, intumescent material
Start of reaction [°C]	180
Expansion rate [x times]	9 to 13 times the original thickness (at 550 °C)
Intumescent layer	Microporous, insulating layer that prevents the passage of flames, flue or hot gases
Expansion pressure [N/mm²]	0.35–0.65 (at 300 °C)
Direction of expansion	Three-dimensional
Surface finish	Smooth
Storage	Store in a dry and well ventilated location at room temperature (20 °C ±5 °C) and with normal humidity (50–70%). Protect against UV radiation.
Shelf life	FLEXILODICE® EF with self-adhesive strip: can be stored under the stated conditions and in its original packaging for a maximum of twelve months from the delivery date

Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from dust, grease and any form of wax. Remove any layers of paint that are not well adhered and check compatibility with the existing paint coat.
2. Installation and fixing:
   - For an aesthetically appealing and functional installation, FLEXILODICE® EF GW, FLEXILODICE® EF L GW or FLEXILODICE® EF DL V seals should be inserted into a groove that is the same width as the cross-section of the seal. The groove channels the expansion in the event of fire and fixes the product in place more effectively.
   - It can be attached either through adhesive or tacking. However, we recommend using double-sided adhesive tape for easier installation.
3. Safety notes:
   - Follow the usual health and safety provisions for the workplace.



Design variants

Product name	Length [m]	Width [mm]	Thickness [mm]	Cross-section
FLEXILODICE® EF GW	175 (roll)	8	1.5	
		10	2	
	100 (roll)	15	2	
	75 (roll)	20	2.7	
FLEXILODICE® EF GW SR	175 (roll)	10	2.3	
	100 (roll)	15	2	
FLEXILODICE® EF L GW	2.1–3.0 (strips)	15	2	
		30		
FLEXILODICE® EF DL V		15		

Colour variants

Black, red, white, oak, brown

Contents of a package/set

The FLEXILODICE® EF GW, EF L GW seals are delivered on cardboard rolls.
The FLEXILODICE® EF DL V seal comes in the form of pre-cut strips in cardboard boxes.

Delivery forms

Standard lengths	Roll lengths of 75 to 175 m, depending on the width
Standard widths	8 mm, 10 mm, 15 mm, 20 mm, 30 mm
Standard thicknesses	1.5 mm to 2.7 mm

Other thicknesses, cross-sections and custom shapes can be supplied upon request.
Self-adhesive version (see SA): The seals can be overlaid with double-sided adhesive tape for easier installation.

Tolerances [mm]

Thickness: +0.2 mm / -0.3 mm

Width +0.2 mm / -0.5 mm

