AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® BS - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

Aodisi Fire Technology (Langfang) Co., Ltd.

销售及选型联系 / Sales & product enquiries

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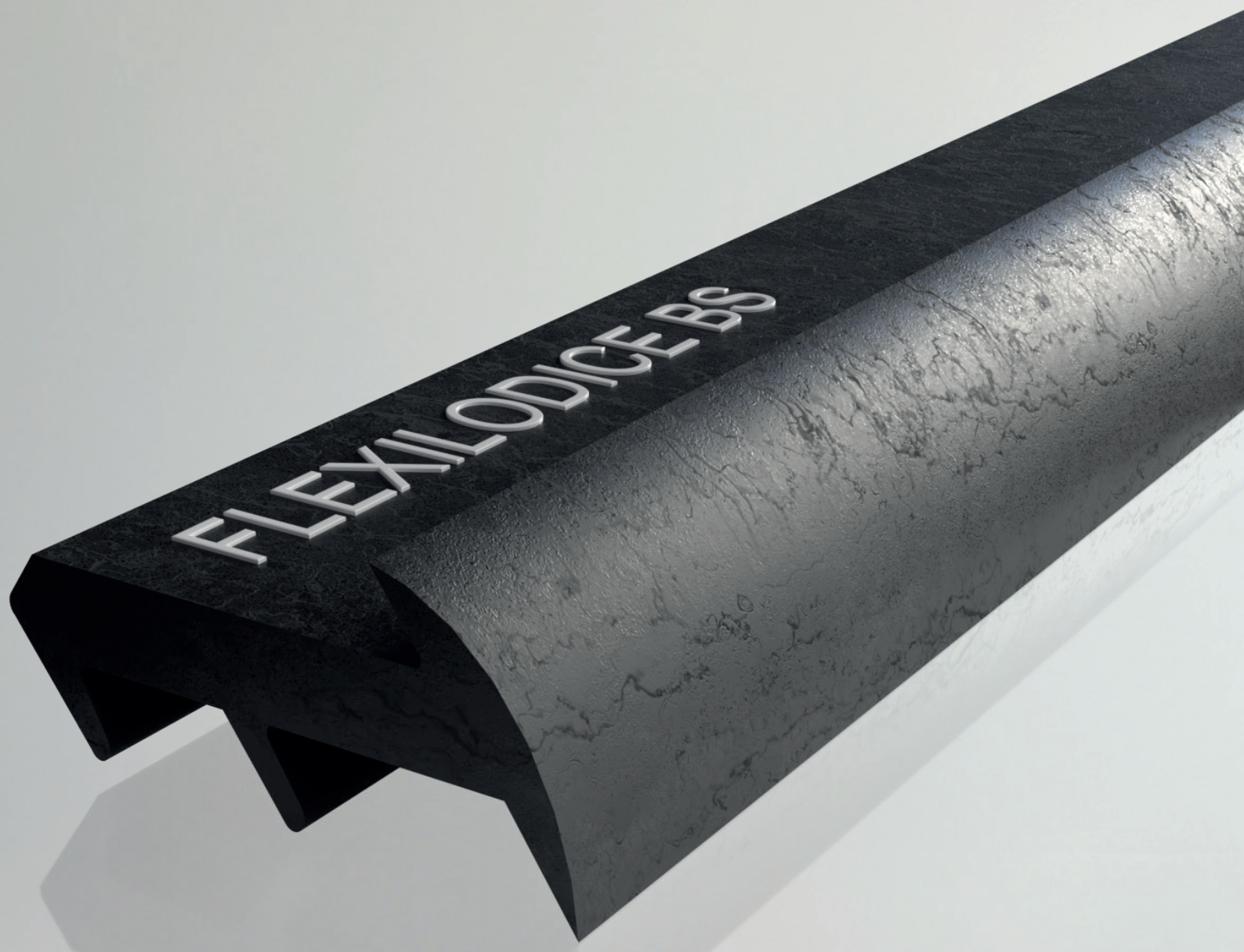
www.gmfireproof.com

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® BS



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

Product description

The FLEXILODICE BS is a flexible, intumescent seal for use in fire-resistant glazing systems. It is made from co-extruded, intumescent graphite, making it both fire-resistant and easy to install. In the event of fire, the seal expands to between 9 and 13 times its original thickness, forming a microporous protective layer that prevents the passage of flames, smoke and hot gases. FLEXILODICE BS is available in a variety of colours and also comes in a self-adhesive version (ref. SA) for even quicker installation.

Properties

- Easy to install
- High fire-resistance
- Resistant to moisture
- Flexible and easy to cut

Fields of application

- Fire-rated glazing systems in doors and windows
- Fire-resistant glazing system gaskets
- Protection against flames, smoke and hot gases in glazing elements

Features

Effective resistance to moisture, easy to install, no sealant required.

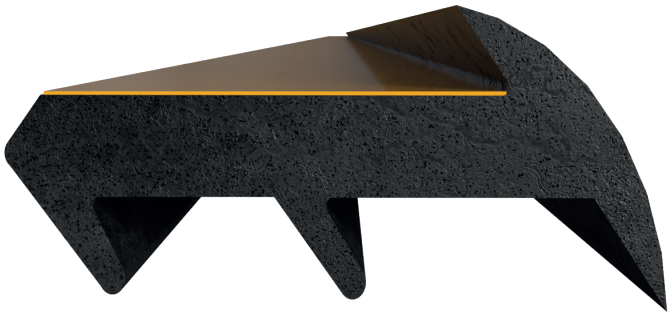
Technical data

Composition	Coextruded, intumescent material based on graphite
Temperature stability [°C]	Up to 1000
Temperature application range [°C]	From -10 to +70
Start of reaction [°C]	180
Expansion rate [x times]	9–13 (at 550 °C)
Intumescent layer	Microporous, insulating layer that prevents the passage of flames, smoke or hot gases
Expansion pressure [N/mm²]	0.38–0.65 (at 300 °C)
Direction of expansion	Three-dimensional
Surface finish	Smooth
Storage	Dry and well ventilated location



Design variants

Self-adhesive version (SA) available.



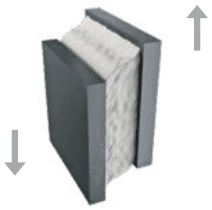
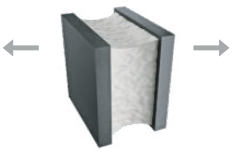
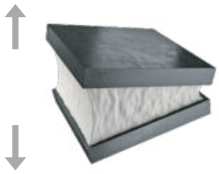
Colour variants

Black, white, brown

Processing information

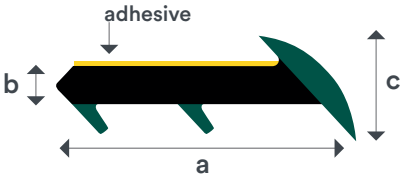
Application temperature [°C]	+5 °C to +40 °C

1. Surface preparation:
   - The surfaces must be clean and dry to ensure optimal adhesion.
2. Safety notes:
   - The standard provisions for the workplace must be complied with.

Shear force	Tensile force	Peel force	Splitting force
			
Strain less critical over whole areas		Prevent such strain through design	

Delivery forms

Standard lengths (a × b / c) [mm]	per roll [m]
13 × 2 / 6	100
15 x 1,9 / 7	
15 x 1,9 / 5,5	



Tolerances [mm]

Thickness: +0.2 mm / -0.3 mm

Width: +0.2 mm / -0.5 mm