AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® EF QS & EF 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

19931333348

492048031@qq.com

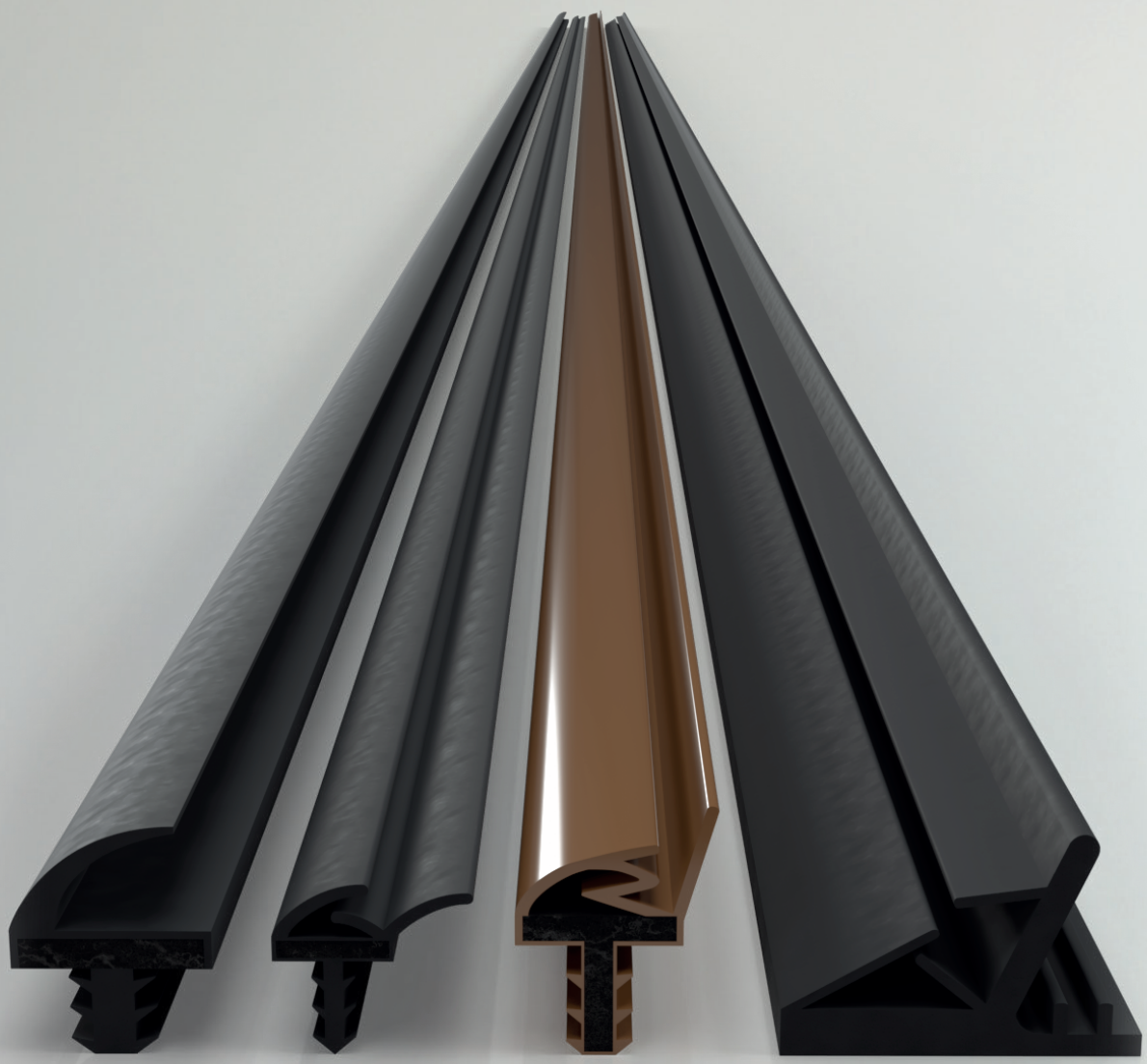
www.gmfireproof.com

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®
EF QS and EF BS



kuhnodice

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

Product description

FLEXILODICE® EF QS and EF BS are coextruded, flexible, graphite-based seals designed specially for fire and smoke protection doors made from wood. The seals are fitted into grooves and expand when exposed to fire, producing a microporous, fume-resistant layer that reliably blocks flames, smoke and hot gases.
They are also resistant to moisture and CO_2, highly flexible and easy to install, as they can be inserted into the groove with light pressure. FLEXILODICE® EF QS and EF BS are available in easy-to-cut rolls and strips.

Properties

- Coextruded, intumescent seals based on graphite
- Developed for installation in grooves on wooden doors
- Resistant to moisture and carbon dioxide
- Expands to nine times its original size when exposed to heat
- Simple installation through mechanical fastening in grooves
- Available in rolls and strips, easy to cut

Fields of application

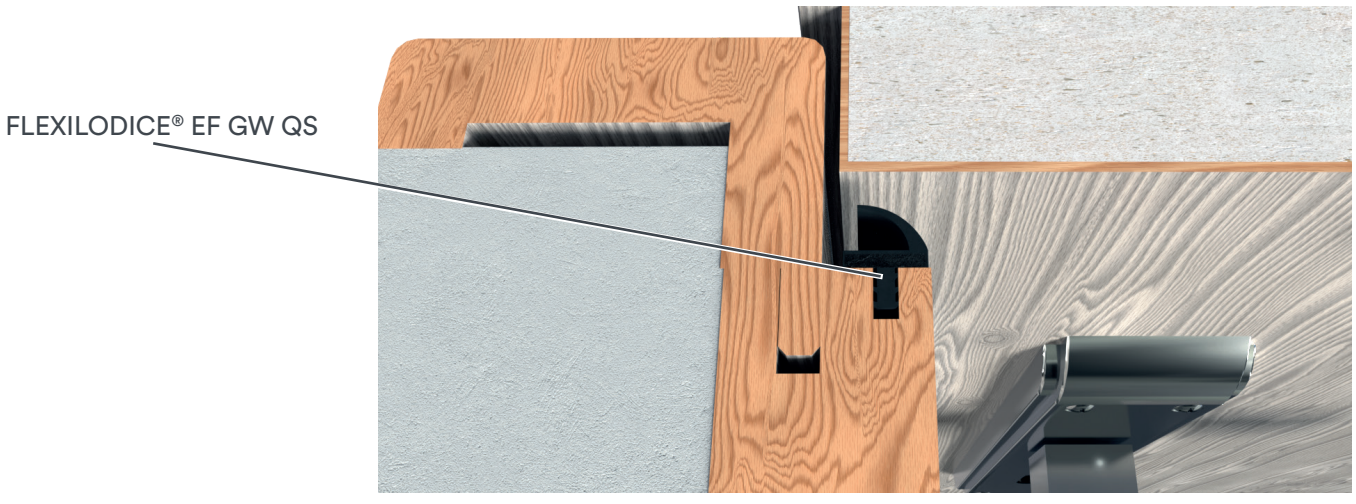
- Fire and smoke protection doors made from wood
- Installed in the grooves of fire-resistance wooden constructions
- Sealing against flames, smoke and hot gases in doors

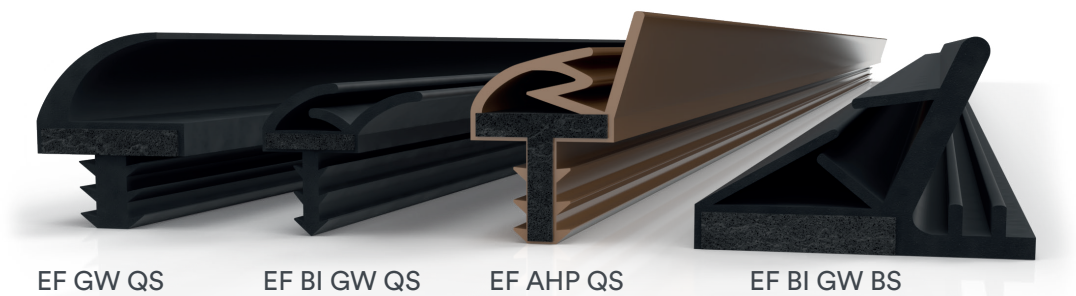
Features

Highly flexible, resistant to moisture and CO_2.

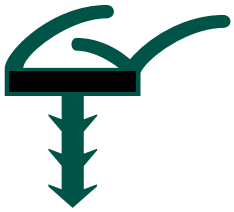
Technical data

Composition	Graphite-based
Material structure	Coextruded, flexible intumescent seals
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, smoke or hot gases
Expansion pressure [N/mm²]	0.35–0.65
Reference expansion pressure	300 °C
Direction of expansion	Three-dimensional
Surface finish	Smooth
Storage	Dry and well ventilated location





Design variants

Product name	Length [m]	Width [mm]	Thickness [mm]	Cross-section
FLEXILODICE® EF GW QS	100 (roll)	10	2	
FLEXILODICE® EF BI GW QS				
FLEXILODICE® EF AHP QS				
FLEXILODICE® EF BI GW BS	2.1–3.0 (strips)	18	3	

Colour variants

White, black, brown, beige

Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from dust, grease and wax. Remove any poorly adhering layers of paint and ensure compatibility with the existing coating.
2. Installation and positioning:
   - Since the FLEXILODICE® EF QS and EF BS seals produce moderate expansion pressure, they should be inserted into a groove on the frame or door leaf that accommodates the cross-section of the seal. This groove serves both to make the fitting more aesthetically appealing and also to control expansion in the event of fire.
   - The seals are mechanically attached. An additional adhesive connection is generally not required.
3. Safety notes:
   - Follow the usual health and safety provisions for the workplace.

Delivery forms

Standard lengths	Roll lengths of 100 m Strip lengths of 2.1 m to 3 m
Standard widths	FLEXILODICE® EF QS: 10 mm FLEXILODICE® EF BS: 18 mm
Standard thicknesses	2 mm to 3 mm

The production process allows a variety of lengths to be produced. We are available to provide you with any more information that you require.

Tolerances [mm]

Thickness: +0.2 / -0.3

Width: 0.2 / -0.5