AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® GLASS - 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® GLASS



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

Product description

FLEXILODICE® GLASS is a flexible, graphite-based, U-shaped seal that is designed to be installed around fire-rated glazing. When exposed to fire, the seal expands to at least nine times its original thickness and forms a uniform, microporous protective layer. The layer prevents the passage of flames, smoke and hot gases through the outer edges of the glazing system. The seal is resistant to moisture and CO_2, easy to install and can be supplied in rolls or as cut strips.

Properties

- Flexible, U-shaped intumescent seal for fire-rated glazing systems
- Expands to at least nine times its original size when exposed to heat
- Forms a uniform, microporous protective layer
- Resistant to moisture and carbon dioxide
- Simple installation around fire-rated glazing
- Easy to cut and available in rolls and strips

Fields of application

- Fire-rated glazing systems in doors and windows
- Sealing fire-resistant glass elements
- Protection against flames, smoke and hot gases in fire-rated glazing systems

Features

Simple to install, resistant to moisture and CO_2 and easy to cut.

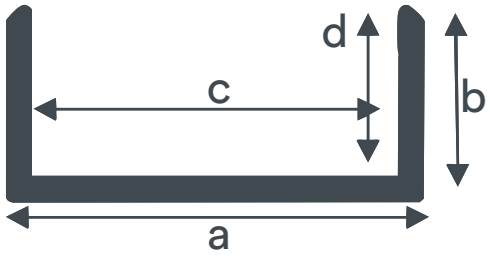
Technical data

Verification	ETA-16/0299: 13 September 2016
Composition	Coextruded graphite
Material structure	Flexible seal
Start of reaction (from approx.) [°C]	180
Expansion rate [x times]	9–13 (30 minutes at 550 °C)
Expansion pressure [N/mm²]	0.35–0.65
Reference expansion pressure	550 °C
Direction of expansion	Two-dimensional
Surface finish	Smooth surface
Storage	Store in dry, well ventilated areas
Shelf life	For 12 months when stored correctly



Design variants

	Dimensions [mm] (a × b / c × d)	Roll length [m]
FLEXILODICE® GLASS 24	27.4 × 13.6 / 24 × 12	40
FLEXILODICE® GLASS 16	20.3 × 12.9 / 16.9 × 11.2	



Colour variants

Black

Processing information

1. Surface preparation:
   - The surface of the fire-rated glazing must be clean and dry to ensure that the seal functions properly.
   - For circular glazing, V-cuts on both sides of the sealing profile may be required to make it easier to adapt to the diameter of the glass.
2. Installation and positioning:
   - FLEXILODICE® GLASS is placed around the edge of the glass in a U shape and attached to a suitable glazing block (such as the ODICE glazing block). This makes the installation quick and easy, with no need for any additional sealing material.
3. Safety notes:
   - Follow the usual safety measures for the workplace.

Delivery forms

FLEXILODICE® GLASS 24:	27.4 × 13.6 / 24 × 12 mm, roll: 40 m
FLEXILODICE® GLASS 16:	20.3 × 12.9 / 16.9 × 11.2 mm, roll: 40 m

Tolerances [mm]

Thickness: +0.2 mm / -0.3 mm

Width (A-side): ±0.5 mm

Height (B-side): ±0.5 mm

