AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® OCS 1200 & 1201 - 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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492048031@qq.com

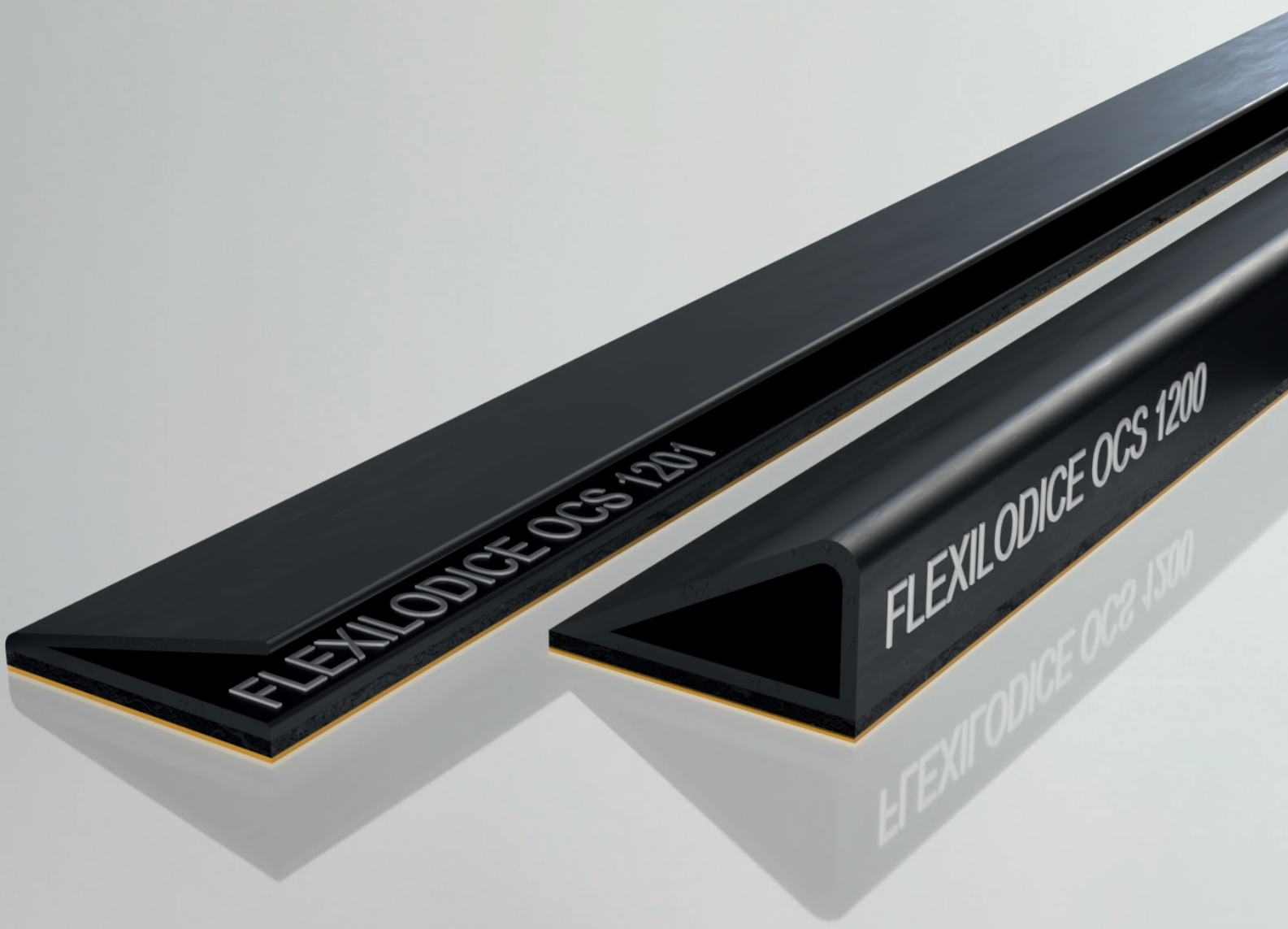
www.gmfireproof.com

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®
OCS 1200 & 1201



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

Product description

FLEXILODICE® OCS 1200 and 1201 are coextruded, graphite-based seals that protect against both smoke and fire. When exposed to fire, the seals expand to at least eleven times their original thickness, forming a robust, microporous layer that prevents the passage of flames, smoke and hot gases. The seals are flexible, resistant to moisture and carbon dioxide and easy to cut.

Properties

- Coextruded intumescent smoke seals based on graphite
- Expand to eleven times their original size when exposed to heat
- Microporous layer blocks flames, flue and hot gases
- Resistant to moisture, expansion and carbon dioxide
- Flexible and easy to cut
- Available in rolls and strips

Fields of application

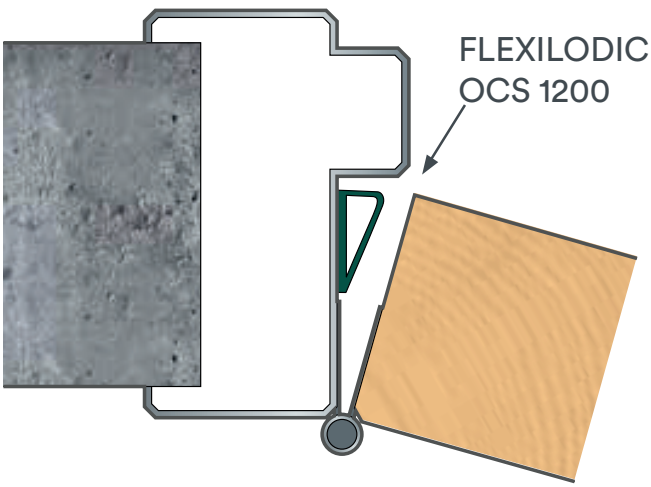
- Smoke and fire protection seals for doors and windows
- Sealing of joints in fire-resistant building elements
- Used in building structures that require protection against flames, smoke and hot gases

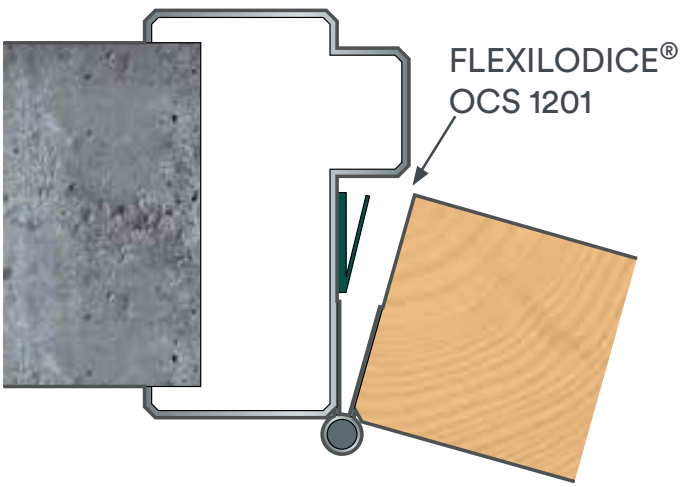
Features

Graphite-based seal that expands to at least eleven times its original size and is resistant to moisture and CO_2.

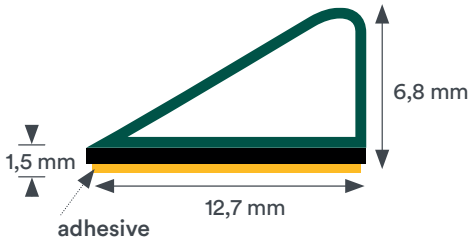
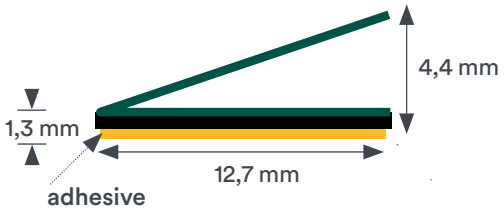
Technical data

Composition	Coextruded graphite seal
Material structure	Flexible, extruded material
Shore A hardness	80
Area density [g/m²]	OCS 1201: 3000 OCS 1200: 4350
Start of reaction [°C]	180
Expansion rate [x times]	At least 11 (30 minutes at 550 °C)
Intumescent layer	Solid, non-combustible microporous layer
Expansion pressure [N/mm²]	0.48 (at 550 °C)
Direction of expansion	Two-dimensional
Surface finish	Smooth surface
Storage	Dry and well ventilated location
Shelf life	For 12 months when stored correctly





Design variants

	Dimensions [mm]	Roll length [m]	Cross-section
FLEXILODICE® OCS 1200	12.7 × 1.5 × 6.8	100	
FLEXILODICE® OCS 1201	12.7 × 1.3 × 4.4	175	

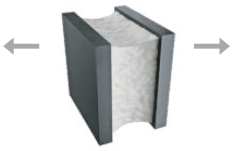
Available in rolls or pre-cut strips

Colour variants

White, black, oak

Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from dirt such as dust, grease and wax to make sure that the product adheres reliably and the seal functions.
2. Installation and fixing:
   - The intumescent seals should be fitted at the edge of the door frame or door leaf to ensure an effective seal in the event of fire.
   - FLEXILODICE® OCS 1200 and 1201 are self-adhesive and are fixed in place by pressing them down. This provides for a quick installation without any additional mechanical fastening.
3. Safety notes:
   - Follow the usual health and safety provisions for the workplace and use protective gloves where necessary.

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

Contents of a package/set

FLEXILODICE® OCS 1200:	12.7 × 1.5 × 6.8 mm, roll length 100 m
FLEXILODICE® OCS 1201:	12.7 × 1.3 × 4.4 mm, roll length 175 m

Delivery forms

Standard lengths [mm]	100,000 & 175,000
Standard widths [mm]	12.7
Standard thicknesses [mm]:	OCS 1200: 1.5 OCS 1201: 1.3

Tolerances [mm]

Width: 0.2 / -0.5

Thickness: +0.2 / -0.3