AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

FLEXILODICE ® PM - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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销售及选型联系 / Sales & product enquiries

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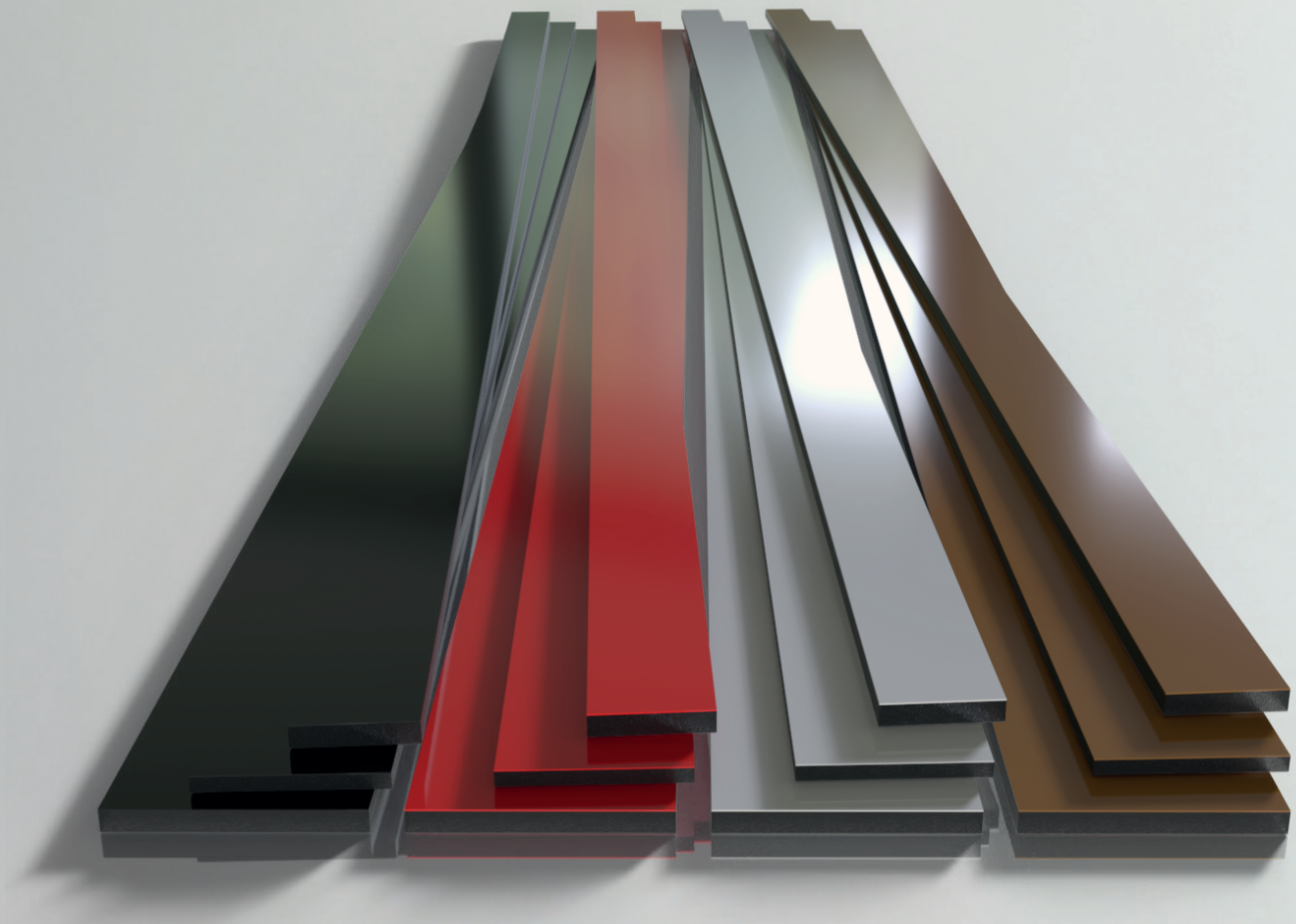
www.gmfireproof.com

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® PM



kuhnodice

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

Product description

FLEXILODICE PM is a flexible, graphite-based foaming seal that provide passive fire protection. In the event of fire, they expand to between six and ten times their original thickness, forming a microporous protective layer that prevents the passage of flames, smoke and hot gases. The seals are highly flexible, fire-resistant and available in a variety of widths, thicknesses and colours. While the standard product can be supplied as a self-adhesive version (SA), the QS version has a Christmas tree profile for mechanical fastening in grooves. It is easy to process, which makes it ideal for use in fire-resistant doors, ventilation flaps, cabinets and partition walls. The seals are available on rolls or in pre-cut strips and offer a reliable solution for improving the fire resistance of building elements.

Properties

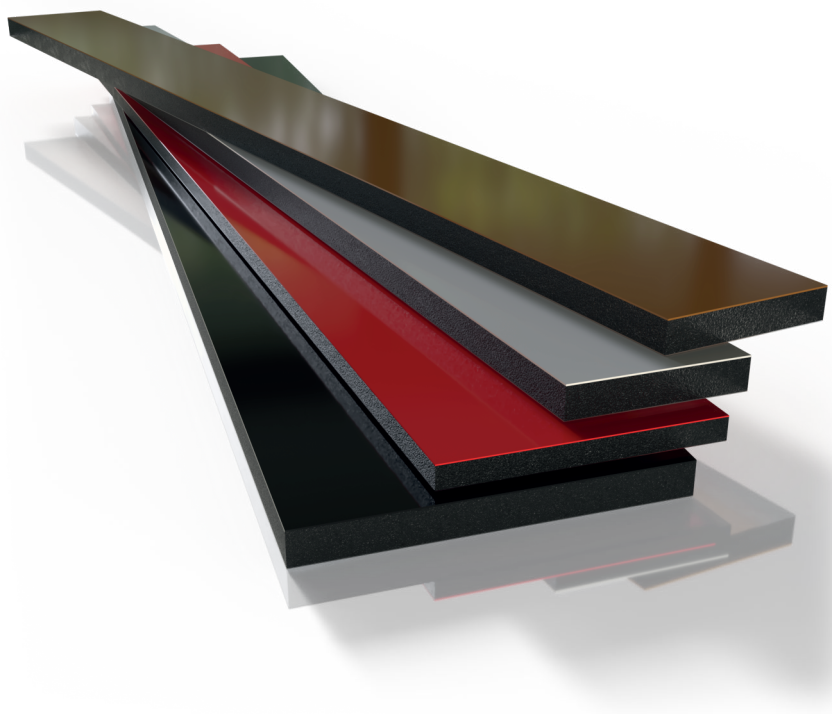
- High flexibility
- High expansion rate
- Resistant to carbon dioxide
- Resistant to moisture
- Wide range of applications

Fields of application

- Fire protection doors and windows
- Joint sealing in fire-resistant building elements

Technical data

Composition	Graphite base with coloured surface
Material structure	Flexible coextruded seal
Area density [g/m²]	3400
Start of reaction [°C]	180
Expansion rate [x times]	6 to 10 times the original thickness (at 550 °C)
Intumescent layer	Stable and heat-resistant foam body
Expansion pressure [N/mm²]	> 0.13 (at 300 °C)
Direction of expansion	Two-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® PM with adhesive strip: max. 12 months from the delivery date when stored in its original packaging under the described conditions



Design variants

FLEXILODICE® PM 100 m roll	FLEXILODICE® PM 120 m roll	FLEXILODICE® PM 150 m roll
10 × 2	19.8 × 1.7	12.7 × 1.4
15 × 2	-	15 × 1.4
18 × 2	-	-
20 × 2 (*)	-	-
25 × 2	-	-
30 × 2	-	-

(*) – variant is also available with a thermoplastic underlay (reference: FLEXILODICE PM SR).
You can find more information in the FLEXILODICE SR technical data sheet.

Colour variants

Black, red, white, oak, brown

Processing information

1. Surface preparation:
   - The surface to be adhered to must be clean, dry and free from dust, grease and wax. If necessary, remove poorly adhering layers of paint and ensure compatibility with the existing coating.
2. Installation and positioning:
   - FLEXILODICE® PM should be inserted into a groove to optimise the aesthetic effect and functionality.
   - They can be attached using a double-sided adhesive tape; in this case, we recommend fixing the material in the groove simply by pressing it down.
3. Safety notes:
   - Follow the usual health and safety provisions for the workplace.

Contents of a package/set

FLEXILODICE® PM seals are delivered in rolls or in the form of cut strips.

Tolerances [mm]

Width +0.2 mm / -0.5 mm

Thickness +0.2 mm / -0.3 mm (on non-adhesive seals)

