

Intumescent fire seals

GB / 1.63 / Rev. 1

FLEXILODICE P



odice
PASSIVE FIRE PROTECTION



Product description

FLEXILODICE P is a graphite-based intumescent seal encapsulated in a rigid thermoplastic profile.

When exposed to fire the intumescent material expands in two directions to at least 9 times its initial thickness. The microporous layer formed during expansion prevents the passage of any flames, smoke or hot gases.



Features



The intumescent seal **FLEXILODICE P** presents the following characteristics:

- Rigid
- Resistant to water
- Forms a robust microporous fire resistant layer
- Resistant to fire
- Delivered in cut strips
- Easy to install, thanks to a self-adhesive layer
- The presence of a profile in no way affects the intumescent reaction of Flexilodice

Technical data

Physical properties

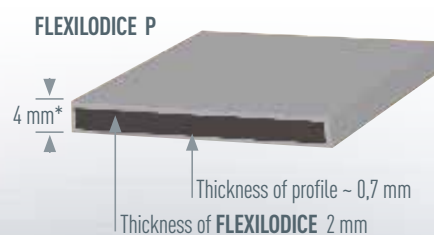
Expansion activation temperature	180°C
Foaming height (30 min. at 550°C)	9 - 13 times initial thickness
Expansion pressure (at 300°C)	0,35 - 0,65 N/mm ²

Average values measured on FLEXILODICE by the laboratory DIBT (Germany) and reported in European Technical Assessment ETA-16/0299.

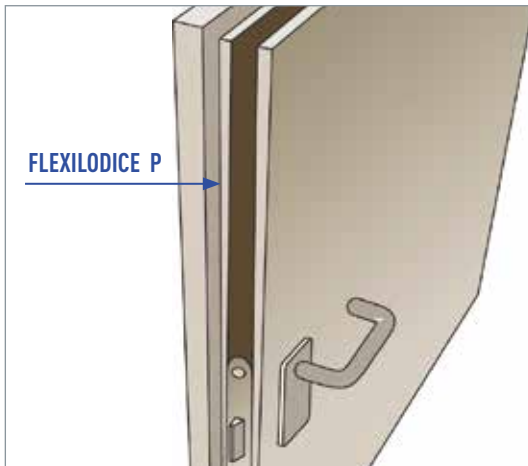
Self-adhesive version (ref. SA): FLEXILODICE P can be surfaced with a self-adhesive strip to facilitate installation (specify ref. SA). This method requires the seal to be mounted in order to correctly apply the self adhesive strip on the receiving surface.



4 mm thick FLEXILODICE P before and after exposure to fire.



Applications



Example of application: fire resistant door and frame.

FLEXILODICE P intumescent seal is designed for interior and exterior uses :

- Peripheral seals for fire resistant systems (doors, shutters, dampers, cabinets, walls, cable penetration systems etc.).
- Enhancement of the fire resistance of various elements etc.

Colour :

The available colours of the top layer:

black, red, white, brown, grey

Other colours are also possible. Please contact us.



Product ranges

Standard lengths:

1020, 2040, 2100 mm

Any other lengths can be fabricated up to a maximum of 3000 mm.

FLEXILODICE P Width x thickness
10 x 4 mm
15 x 4 mm
20 x 4 mm
25 x 4 mm
30 x 4 mm
35 x 4 mm
38 x 4 mm
40 x 4 mm
45 x 4 mm
50 x 4 mm
55 x 4 mm
60 x 4 mm
70 x 4 mm

Tolérances	
Thickness (*)	+ 0,2 mm
Width	+ 0,25 mm
Length	0/+1 mm

(*)On the seal without self-adhesive strip

The manufacturing process makes it possible to supply other thicknesses, sections, special shapes and colour finishes. Please contact us.

Installation

Since the intumescent **FLEXI ODICE P** seal creates an average expansion pressure, for sealing a fire rated door it is essential that they are fitted to the edge of the frame or door leaf. In order to achieve an aesthetically acceptable installation, **FLEXI ODICE P** should be placed in a groove slightly wider than the section according to maximal tolerances of the seal. This groove will also serve to channel the expansion of the intumescent material.

The receiving surface must be free from dust, grease and any kind of wax. Remove poorly adhering paint and check compatibility with the existing layer of paint.

The seal can be fixed by gluing or stapling but we recommend fixing by double-sided adhesive strip.

Packaging

FLEXI ODICE P is delivered in cardboard boxes as pre-cut strips.

Storage

Store in a dry well-ventilated area.

Health and safety measures

Observe usual workplace health and safety rules.

Refer to the safety data sheet of **FLEXI ODICE P**.

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by ODICE hereunder are given free of charge and ODICE assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.



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