

FLEXILOCICE HE

*Flexible intumescent seal
High Expansion*

Product description



FLEXILOCICE HE is a flexible intumescent seal with a high expansion power. In case of fire, the intumescent material included in the thermoplastic support is expanding at least **18** times its initial thickness. The microporous layer formed during the expansion provides an effective barrier to the passage of fire, hot gases and hot smokes

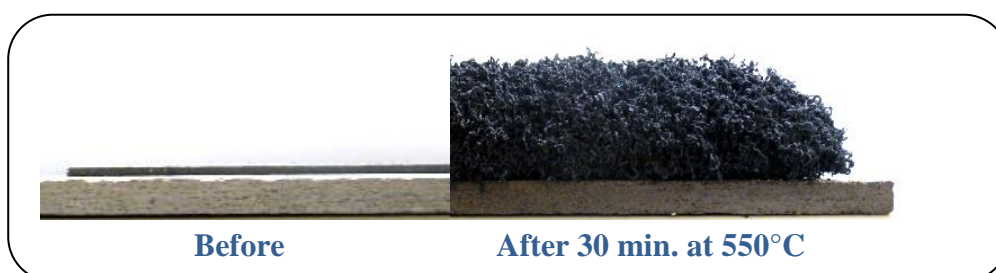
Features

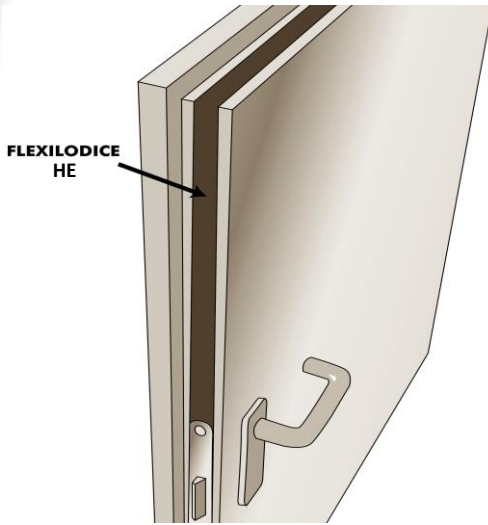
The intumescent seal **FLEXILOCICE HE** holds the following properties:

- very flexible,
- high expansion capacity,
- resistant to moisture and carbon dioxide,
- formation of a consistent microporous layer,
- is delivered in roll,
- easy to handle and cut.

Technical data

Physical properties of FLEXILOCICE HE	FLEXILOCICE HE 2 mm
Expansion activation temperature	180°C
Foaming height (30 min. at 550°C)	18 x initial thickness
Expansion pressure (at 300°C)	0,57 N/ mm ²
Shore A hardness (ISO 868)	85 shore





Typical applications :

The intumescent fire seal **FLEXILODICE HE** is used in the following inside and outside applications :

- Seals in perimeter of fire resistant systems (doors, shutters, dampers, cabinets, safes, walls, penetrating cables, etc.),
- fire resistance improvement of various building elements, etc.,
- for large gaps (due to differential shrinkage and/ or expansion)

Range of products

Colour: black (dyed in the mass of intumescent seal)
Or with thin coloured cover layer (ref **PM** : possible colours : red, white, grey, brown)*

Widths, thicknesses and lengths available:

FLEXILODICE HE 2 mm Roll of 100m	FLEXILODICE HE 1,4mm Roll of 150 m	FLEXILODICE HE 1,5mm Roll of 140 m
7 x 2 mm	12,7 x 1,4 mm	9,5 x 1,5 mm
10 x 2 mm	15 x 1,4 mm	19,5 x 1,5 mm
15 x 2 mm	18 x 1,4 mm	22 x 1,5 mm
18 x 2 mm	20 x 1,4 mm	37 x 1,5 mm
20 x 2 mm	25 x 1,4 mm	44,5 x 1,5 mm
24 x 2 mm	40 x 1,4 mm	52 x 1,5 mm
25 x 2 mm		
30 x 2 mm		
37 x 2 mm		
38 x 2 mm		
40 x 2 mm		
50 x 2 mm		
57 x 2 mm		
100 x 2 mm		

Other thicknesses and widths can also be produced on request.
(*) PM version is not available for all dimensions. Please send us request.

Self-adhesive backing (ref. SA) : **FLEXILODICE HE** can receive a self-adhesive backing in order to ease the installation

Tolerances	
Thickness (*)	+0,2 mm / -0,3 mm
Width	+0,2 mm / -0,5 mm

(*) tolerances measured on **FLEXILODICE HE** without self-adhesive backing

Fitting Instructions

The intumescent seal **FLEXILODICE HE** developing an average expansion pressure; it is advised to fit him, in case of sealing for a fire rated door, on the edge of the door leaf or the frame.

In order to obtain an aesthetical installation, **FLEXILODICE HE** will be fitted in a groove of the same width as the section. This groove will also allow controlling the expansion of the intumescent material.

The surface must be free from dust, fat and wax-type materials. Remove badly adhering coatings. Check the compatibility of the self-adhesive backing with the existing coating.

Fixation can be done by gluing but we highly recommend an installation with a self-adhesive backing really easy to use.

Packaging

The intumescent fire seals **FLEXILODICE HE** are delivered in roll and packed in cardboard boxes.

Storage

Stock in a dry and well-ventilated area.

Safety and hygiene measures

Observe the ordinary working hygiene.
Refer to the Material and Safety data sheet.

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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