

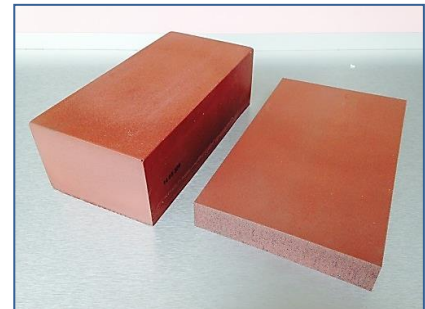
F10 BDSN FOAM

Intumescent Foam

Description

F10 BDSN Foam is an intumescent polyurethane foam which expands in case of fire.

F10 BDSN Foam is available in blocks, stoppers or strips for all types of fire protection: cable shafts, pipes, walls, ceilings ...



Features

F10 BDSN Foam holds the following properties:

- non-fibrous,
- dry,
- easy and dust free installation,
- halogen & CFC free,
- proper recovering properties.

Product Data

Color	red
Density	240 to 300 kg/ m ³
Start intumescent temperature	+ 300 °C
Increase of volume (450°C – 25 min)	till 4,5 x initial thickness
Expansion pressure	no pressure
Thermal conductivity (EN 12667)	0,103 W/m.K
Resistance to static differential pressure (EN 12211)	P max = 3700 Pa
Air permeability –Q ₅₀	0,77 m ³ /(h*m ²)
Airborne sound insulation (EN ISO 717-1)-D _{n,e,w} (C ;C _{tr})	68 (-4 ; -11) dB
Compression load deflection (DIN EN ISO 3386-1) - CV 40%	18 kPa
Surface resistance (DIN IEC 60167)	2 x 10 ⁹ Ω
Microbial metabolisation	Inert, fungistatic, bacteriostatic
Temperature of using (ETAG 026-2)	0°C – 80°C

Classification:

F10 BDSN Foam is classified:

As building material (DIN 4102)	Class – B2
Reaction to fire (EN 13501 -1)	Class E

Applications

- Fire protection of electrical devices in walls and ceilings
- Fire protection of cable passages

Product range

Dimensions: blocks 250 x120 x 80mm – other dimensions under request as a molded part (square shape, cylindrical shape, toroidal sealing ring, slabs or strips could be manufactured)

Possibility of self-adhesive (SA version)

F10 BDSN Foam might be cut-up or machined according to yours plans in our workshops.

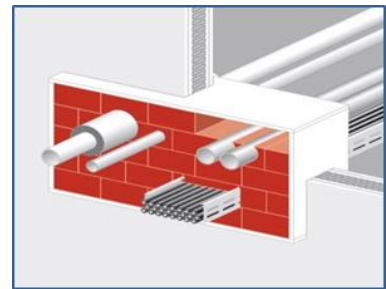
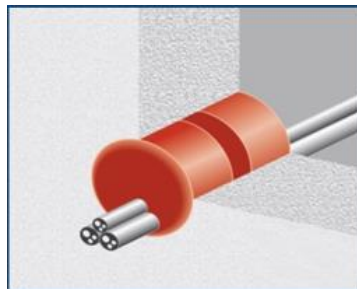


Installation

IMPORTANT: The side exposed to weathering effects and UV-rays must be covered by silicone or by epoxy resin lacquer.

Continuous wet conditions as well as standing water and pressing water must be avoided.

Cut the block of **F10 BDSN Foam** in dimension of opening and if needed make a hole for electrical cables. For interior applications, in order to fix well the **F10 BDSN Foam** or electrical cables, an intumescent acrylic sealant **ACRYLODICE F** can also be used.



Example of application: *fire protection of cable passages*

Packaging

F10 BDSN foam is delivered in cardboard boxes.

Storage

Stock in a dry and well-ventilated place.

Safe and hygiene measures

Observe the ordinary working hygiene
Refer to the safety datasheet.

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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