

Soudafoam FR Duo

Revision:18/06/20

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Technical data

Base	2-component firestop foam
Colour	Red/graphite
Fully cured*	n. 30 min
Application temperature	+15 °C → +30 °C (optimum +20 °C → +25 °C)
Yield	Ca. 2.5 l (+30 °C)
Thermal conductivity	0,88W/mK
Working life	10 years

* these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

Description

SOUDAFOAM FR DUO firestop foam is intumescent two component firestop foam, for fire classified penetration seals. Product swells when exposed to temperatures higher than 180°C, blocking fire and smoke gases: Product has fire classification up to two hours. Firestop foam is new, innovative CE / ETA 17/0843 assessed firestop foam system for sealing penetration seals. Product has excellent firestop properties and is easy to use and apply.

Properties

- Can be used in mixed penetration seals (EI 90) and cable penetration seals (EI 90 / EI 120).
- Penetrations for electric cables, cable carriers, uninsulated and insulated metallic pipes and plastic pipes.
- Good sound dampening properties
- Fire classification EI 90 / EI 120 in concrete walls, ceilings and flexible walls.
- Max. aperture size: 450mm x 500mm.

Application

- High viscosity – does not drip.
- Foam is permanently elastic, and easy to work after drying.
- Product has great acoustic properties, even 60dB sound insulation.
- Prevents smoke gases from passing between fire compartments.
- One product is enough for sustainable penetration seal.
- Product is ETA-17/0843 assessed and CE – marked.
- Great adhesion for several construction materials.
- Multipurpose product for fire sealing, comprehensive fire tests.
- Very easy to apply, fast drying.
- Can be painted over

Packaging

Colour: red / graphite

Packaging: 380 ml cartridge, 6 pcs / ctn.

Shelf life

At least 9 months in unopened packaging in a cool and dry storage place, protected from sunlight at temperatures between +5°C and +30°C.

Substrates

Substrates: all usual building substrates.

Nature: clean, free of dust and grease.

Approvals

- ETA-17/0843
- CE-mark

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Fire classification

Filling depth 200mm (concrete wall, min. 100mm, concrete floor, min. 150mm, flexible wall, min. 94mm).		
Penetration	Structure	Fire classification
Single cable, max. Ø 21mm	Wall / Floor	Wall EI 120 / Floor EI 120
Single cable, 21mm < Ø < 50mm	Wall / Floor	Wall EI 120 / Floor EI 120
Single cable, 50mm < Ø < 80mm	Wall / Floor	Wall EI 120 / Floor EI 120
Cable bundle, max. 100mm (Ø 21mm cables)	Wall / Floor	Wall EI 90 / Floor EI 120
Unsheathed cable, max Ø 24mm	Wall / Floor	Wall EI 90 / Floor EI 60
Conduit, steel, max. Ø 16mm	Wall / Floor	Wall EI 120 / Floor EI 90
Conduit, plastic, max. Ø 40mm	Wall / Floor	Wall EI 120 / Floor EI 120
Uninsulated metal pipe, max. Ø 28mm	Wall / Floor	Wall EI 90 / Floor EI 90
Insulated metal pipe, max. Ø 88,9mm	Wall / Floor	Wall EI 120 / Floor EI 120
Plastic pipe, max. Ø 50mm	Wall / Floor	Wall EI 120 / Floor EI 120

Filling depth 144mm (concrete wall, min. 100mm, concrete floor, min. 150mm, flexible wall, min. 94mm).		
Single cable, max. Ø 21mm	Wall / Floor	Wall EI 90 / Floor EI 90
Single cable, 21mm < Ø < 80mm	Wall / Floor	Wall EI 60 / Floor EI 60
Cable bundle, max. 100mm (Ø 21mm cables)	Wall / Floor	Wall EI 60 / Floor EI 60
Conduit, steel, max. Ø 16mm	Wall / Floor	Wall EI 60 / Floor EI 60
Conduit, plastic, max. Ø 40mm	Wall / Floor	Wall EI 120 / Floor EI 120
Uninsulated metal pipe, max. Ø 28mm	Wall / Floor	Wall EI 60 / Floor EI 60
Insulated metal pipe, max. Ø 88,9mm	Wall / Floor	Wall EI 90 / Floor EI 60
Plastic pipe, max. Ø 50mm	Wall / Floor	Wall EI 120 / Floor EI 60

Filling depth 100mm (concrete wall, min. 100mm, concrete floor, min. 150mm, flexible wall, min. 94mm).		
Single cable, max. Ø 21mm	Wall / Floor	Wall EI 60 / Floor EI 60
Single cable, max. Ø 50mm	Wall	Wall EI 60

More detailed information about achieved fire classifications from ETA-17/0843 assessment.

If thickness of wall or floor structure is smaller than needed filling depth, penetration must be framed according to ETA assessment.

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