

FIRESAFE / FSG

Firestop Graphite for Penetration Seals

PRODUCT DATA SHEET

Date: 30/07/2025

Rev.: 0

Prepared by: PP

Checked by: HKE

European approvals:

ETA No: 25/0236 Penetration Seals

DoP No.: FS/PP/FSG - 30/07/2025

CE 2821

PRODUCT DESCRIPTION

FIRESAFE / FSG is a graphite-based fire-rated sealant that expands when exposed to heat, creating a fireproof and smokeproof barrier to adjacent rooms.



Fire rating
≤ 240 minutes



Acoustic insulation
Rw ≤ 55 dB



Lifespan
25 years



Paintable
After 24 hours

Technical data:

FIRESAFE / FSG - Cartridge - 310 ml	EAN code 7070800102290
FIRESAFE / FSG - Sausage - 300 ml	EAN code 7070800102313
Condition	Ready-to-use, water-based sealant
Colour	Dark grey (may darken after curing)
Shelf life	24 months in unopened packaging at temperatures between +5°C and +30°C
Storage temperature during transport	+5 °C to +30 °C
Temperature during application	+5 °C to +30 °C
Permanent temperature resistance	-15 °C to +75 °C (after curing completed)
Drying time (visual)	Maximum 30 minutes
Non-adhesive	Maximum 60 minutes
Fully cured	3 to 5 days depending on thickness and temperature
Specific gravity	1.50 - 1.60 g/cm ³
Expansion temperature	Starts at approx. +150°C
Usage category ¹⁾	Type Z ₂ in accordance with EAD 350454-00-1104
Paintable ²⁾	Yes
Can be installed from 1 side	Yes
Airtight and smokeproof	Yes, in accordance with S _a and S ₂₀₀ NEN 6075
Acoustic properties	12 mm depth + 15 mm backing material: R _{S,W} (C;C _{tr}) = 55 (-2; -9) dB and R _{S,max,W} (C;C _{tr}) = 58 (-5 ; -13) dB
Reaction to fire	Class E in accordance with EN 13501-1
Certification / fire resistance	Classification in accordance with EN 13501-1/2
VOC content	< 1 g/l
European approvals	ETA 25/0236. Penetration Seals
Test standards	EN 1366-3. Penetration Seals
Compatibility	Suitable for use with most materials
Product lifespan	Minimum 25 years

¹⁾ Permitted environmental conditions

Duct sealant for use in conditions with < 85% RH, with protection against temperatures below 0 °C, and with no exposure to rain or UV (TR 024, type Z₂). Indoor environments.

²⁾ Paintable

FIRESAFE / FSG can be painted with most water-based paints.



Scan QR code for
detailed information



FIRESAFE /

All information contained in the datasheet is to be regarded as indicative values derived from tests and our combined knowledge and experience with the product. This information must not be used as a basis or verification for other tests or systems. Firesafe AS does not take responsibility for the product's further possible applications or incorrect use. The user is responsible for using the latest edition of this document. Checks can be made on our website at www.firesafe.no This document cannot be copied without the written consent of Firesafe AS.

Firesafe AS, Robsrudskogen 15, Postboks 6411 Etterstad, NO-0605 Oslo Tel: +47 22 72 20 20. Tel.: +47 09 110. E-mail: firmapost@firesafe.no

FIRESAFE /
FIRE PROTECTION

FIRESAFE / FSG

Firestop Graphite for Penetration Seals

PRODUCT DATA SHEET

Date: 30/07/2025

Rev.: 0

Prepared by: PP

Checked by: HKE

European approvals:

ETA No: 25/0236 Penetration Seals

DoP No.: FS/PP/FSG - 30/07/2025

CE 2821

Packaging:

FIRESAFE / FSG	Contents	Box	Pallet	Pallet	Item no.
Plastic cartridge	310 ml	12 pcs.	128 boxes	1536 pcs.	100.203
Sausage	300 ml	18 pcs.	98 boxes	1764 pcs.	100.204

Usage table per 310 ml. Joint metre per packaging m¹:

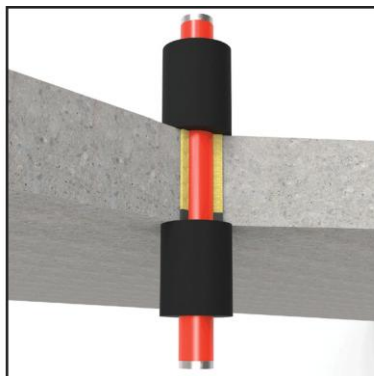
Joint width	10 mm	15 mm	20 mm	25 mm	30 mm	40 mm	50 mm	60 mm	80 mm	100 mm
Joint depth 12.5 mm	2.45 m ¹	1.65 m ¹	1.20 m ¹	1.00 m ¹	0.80 m ¹	0.60 m ¹	0.50 m ¹	0.40 m ¹	0.30 m ¹	0.25 m ¹
Joint depth 15 mm	2.05 m ¹	1.35 m ¹	1.00 m ¹	0.80 m ¹	0.65 m ¹	0.50 m ¹	0.40 m ¹	0.30 m ¹	0.25 m ¹	0.20 m ¹
Joint depth 25 mm	1.20 m ¹	0.80 m ¹	0.60 m ¹	0.50 m ¹	0.40 m ¹	0.30 m ¹	0.25 m ¹	0.20 m ¹	0.15 m ¹	0.10 m ¹

Available documents and approvals for FIRESAFE / FSG:

Technical documents	Approvals
✓ Product data sheet (PDS)	✓ Tested in accordance with EN 1366-3
✓ Technical data sheet (TDS)	✓ Classification in accordance with EN 13501-1/2
✓ Safety datasheet (SDS)	✓ Certified in accordance with EAD 350454-00-1104
✓ CE marking	✓ ETA: 25/0236 Penetration Seals
✓ Emissions reports	✓ Declaration of Performance (DoP)
✓ Acoustics report	

The documents listed above can be obtained from your Firesafe contact person, via QR code (Digital Pass), or on the Firesafe website:

www.firesafe.no.



FIRESAFE

All information contained in the datasheet is to be regarded as indicative values derived from tests and our combined knowledge and experience with the product. This information must not be used as a basis or verification for other tests or systems. Firesafe AS does not take responsibility for the product's further possible applications or incorrect use. The user is responsible for using the latest edition of this document. Checks can be made on our website at www.firesafe.no. This document cannot be copied without the written consent of Firesafe AS.

Firesafe AS, Robsrudskogen 15, Postboks 6411 Etterstad, NO-0605 Oslo Tel: +47 22 72 20 20. Tel.: +47 09 110. E-mail: firmapost@firesafe.no