

Closed-cell polyethylene joint filler, back-up strips and cord

Uses

Expandafoam is a closed-cell polyethylene joint filler for use as an expansion joint filler in brick and blockwork, isolation joints and hinge joints where a readily compressible low load transfer joint filler is required.

Strip and cord sections are also available. These are used as back-up strips for elastomeric sealants.

- Back-up / bond breaker strip to support sealants
- Bridge decks, abutments, pier hinge joints
- Brick and blockwork in building superstructures

Advantages

- Readily compressible
- Low load transfer
- Excellent recovery after compression
- Non-absorbent
- Rot-proof
- CFC-free

Standards compliance

BS 5628 Part 3 'Use of Masonry' paragraph 20.4.

DTp Specification for Highway Works, December 1991 series 1000. Clause 1015.

Description

Expandafoam is a flexible, readily compressible, closed-cell polyethylene joint filler supplied in sheet form and as rectangular strips or circular section cords.

Properties

Technical data — (sheets and strips)

Form:	Cross-linked, compressible, closed-cell foamed sections and sheet
Weathering test:	No disintegration
Recovery:	Greater than 70%
Water absorption:	Negligible
Effects of fire:	Being a thermoplastic material, Expandafoam will melt. It is combustible but rate of flame spread will be reduced when confined within a joint

Technical data — (cord)

Form:	Compressible closed-cell foam circular cords
Storage life:	Indefinite
Water absorption:	Negligible
Colour:	Grey
Temperature stability:	-40°C to +60°C
Density:	30 +/- 5 kg/m ³

Specification clauses

The joint filler / back-up strips as detailed shall be Expandafoam supplied by Fosroc. Whether in sheet form or in strip or cord form, Expandafoam shall be installed strictly in accordance with the relevant Fosroc technical data sheet.

Application instructions

Joint sealing slots

When used as an expansion or isolation joint filler in brickwork, Expandafoam should be positioned to provide for a surface sealing slot of the required dimensions ensuring that the sealing slot is free from mortar droppings or slurry bridging.

Expandafoam sheets may be fixed into position using a suitable adhesive. Care should be taken not to contaminate the surfaces of the sealing slot with adhesive.

Where Expandafoam is used as the joint filler no additional bond breaker is necessary.

Used as a back-up / bond breaker strip Expandafoam serves both to regulate the depth of the sealing slot required and ensures that the movement of the joint sealant is not restricted by three-sided adhesion.

The size of the back-up strip should be approximately 20% greater than the joint width and depressed sufficiently to provide the required sealing slot dimensions. Circular cord sections provide a convex face giving an optimum seal configuration, they also overcome any problem of twisting which can occur with square or rectangular sections.

Fosroc® Expandafoam

Estimating

Sheet size:	1.0 x 2 metres
Sheet thickness:	10, 12, 15, 20 and 25 mm
Strip sizes:	15 metres long
Strip dimensions:	10 x 100 mm 10 x 150 mm 12 x 100 mm 20 x 150 mm 20 x 200 mm

All 10 and 12 mm strips have a 10 mm deep tear-out section and all 20 strips have a 20 mm tear-out section to ensure uniform depth of sealant cover.

Guide to cord quantities

Cord diameter in mm	Linear metres per carton
12	750
15	550, 100†
20	350, 100
25	200
30	160
40	270†
50	180

Note: Expandafoam Cord is supplied on a reel (with the exclusion of 40mm and 50mm diameter cord). Size marked with † supplied to order.

Storage

Store in original unopened packaging, in cool dry conditions, away from sunlight.

Precautions

Health and safety

There are no known health hazards associated with Expandafoam in normal use.

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Important note

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Certificate number FM 610