

BRICKFILL

Movement Joints



Key Features

- Ideal for brick and blockwork
- Meets BS & DOT specifications
- Very low water absorption
- Oil and ozone resistant
- All rolls include tear-off strips
- Wide range of sizes and thicknesses plus specials
- Nationwide delivery

What is BRICKFILL?

BRICKFILL is a low resistance expansion joint filler specifically designed for brick and blockwork which fully meets the recommendations of BS 5628 Pt 3: 2001 Section 5.4.3 – Code of Practice for use of masonry.

The relevant passage states:

*'The material for filling movement joints to accommodate expansion should be easily compressible to approximately 50% of its original thickness. Flexible cellular polyethylene or foam rubbers are satisfactory materials. **Hemp, fibreboard, cork and similar materials should NOT be used for expansion joints in clay brick masonry, but may be used for contraction joints in calcium silicate and concrete masonry.***

BRICKFILL also meets the Department of Transport Specification 1015 for Roads and Bridges.

BRICKFILL is ideal for all fired-clay brickwork, calcium silicate brickwork and concrete blockwork applications.

BRICKFILL in Use

BRICKFILL is weather, oil and ozone resistant. It has very low water absorption properties – only 0.8% by volume.

BRICKFILL joints can be sealed using a suitable high performance, silicone sealant without the need for a bond breaker.

Joint Design

Generally, the width of an expansion joint should be twice the expected total movement, to allow for the compressibility of the filler and sealant.

A 10m brick wall will require a 10-12mm BRICKFILL joint. BS5628: Pt 3 recommends up to 16mm of expansion joint at 12m centres for clay-fired brickwork, depending on the brick used. This may be modified at the designer's discretion in consultation with the brick manufacturer.

BS5628 also recommends 10mm joints at 7.5 – 9m centres in calcium silicate brickwork and at 6m centres for concrete blockwork.

Availability

BRICKFILL is available in conveniently packed 10m rolls and sheets in a range of widths and thicknesses.

All rolls include a tear-off strip that automatically creates the correctly sized recess for BRICKSEAL sealant.

Technical Data

Density	DIN 53420	Av 33 kg/m ³
Compressive Strength		
10%	ISO 3386	0.024 N/mm ²
25%		0.043 N/mm ²
50%		0.100 N/mm ²
Compression Set		
(22h, 25%, 23°C)	ISO 1856	
½ Hr recovery		14%
24 Hr recovery		6%
Tensile Strength	ISO 1798	0.25 N/mm ²
Elongation at Break	ISO 1798	100%
Tear Resistance	DIN 53575	1.28 N/mm
Thermal Conductivity	ASTM C-177	0.038 W/mK
Water Absorption		
28 days immersion	DIN 53428	0.8 vol %
Water Vapour Transmission		
23°C (0-85%rh)	DIN 53429	23 µg/(m ² s)
Permeability	ISO 1663	10 ng/(Pa.sm ²)

FILLCRETE

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