

BITUMEN IMPREGNATED FOAM

Biyseal

DESCRIPTION:

Biyseal Bitumen Impregnated Foam is a pre-formed flexible, lightweight, polyurethane sealing strip, which can be compressed to form a seal in various applications. Once impregnated with bitumen, the foam demonstrates resistance to dust, weather conditions, vermin, vibration, noise etc.

USES:

Biyseal serves as a durable, weather-resistant seal suitable for a variety of applications across building, construction, and industrial sectors. It can be used independently or in combination with a sealant, depending on the specific project requirements.

Typical applications include:

- Dust/draught/vermin proofing of metal wall & roof cladding
- Vibration & noise control, air, weather and water-tight sealing
- Roof valley & eave filler, window frames, skylights, ducting
- Joints in concrete, brick & block expansion joints

APPLICATION:

The surface which Biyseal is to be applied to should be clean, sound and clear of all loose materials.

Size to be used is dependent on application:

- Weather resistant joints - foam width equal to 5 times joint opening
- Expansion joints - foam width equal to 3-4 times joint opening
- Joint proofing - allow for a foam width equal to twice the joint opening

HOW TO SPECIFY:

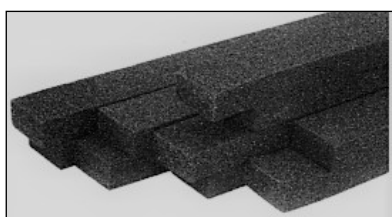
All areas to be sealed must be filled with Biyseal Polyurethane Impregnated Foam strictly in accordance with manufacturers instructions.

TECHNICAL DATA: Unimpregnated Foam

PROPERTY	DATA
Density	30 Kg/m ³
Hardness Identification Force	150 Min
Indentation Factor	1.7
Colour	Charcoal
Cell size (cell / inch)	55 ± 10

TECHNICAL DATA: Impregnated Foam

PROPERTY	DATA
Density	96 Kg/m ³
- I.F. 25	194N
Tensile Strength	232kPa
Elongation	275 %
Tear Resistance	903 N/m
Elongation after heat aging	225 %
Tear resistance after heat aging	869 N/W
Shrinkage	0.94 %
Combustibility test	Flame did not reach benchmark



BITUMEN IMPREGNATED POLYURETHANE FOAM

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PERFORMANCE DATA:

Compression:

Compression by 20% - resistant to dust, draughts and tolerant to vibration.

Compression by 50% - resistant to fog, light dampness, slight flowing water and tolerant to reverberation.

Compression by 70% - resistant to flowing water and dust storms.

Compression by 75% - resistant to standing water.

Aging:

Accelerated aging testing - Biyseal, when compressed can have a working life of up to 20 years, depending on application.

Biyseal does not extrude when compressed.

Recovery:

The material is capable of withstanding numerous cycles of expansion and contraction without exhibiting fatigue or loss of its recovery properties. It can be compressed by up to 90% without rupture and still retains its full recovery capabilities. In the initial cycle, the material demonstrates an elastic recovery rate of 98% once all compressive forces are removed.

Adhesion:

When compressed, Biyseal consistently applies outward pressure against the joint surfaces. While its performance does not rely on adhesion, it naturally adheres to the sides of the joint, enhancing stability and sealing effectiveness.

SIZES:

RANGE OF SIZES	PACK QTY	CODE
25mm x 13mm	2 metre	3468b
25mm x 13mm	20 metre	3468l
38mm x 19mm	2 metre	3468d
38mm x 19mm	10 metre	3468oO
25mm x 25mm	2 metre	3468a
25mm x 25mm	20 metre	3468N
38mm x 25mm	2 metre	3468f
38mm x 25mm	20 metre	3468oo
50mm x 25mm	2 metre	3468F
50mm x 25mm	10 metre	3468O
75mm x 25mm	2 metre	3468g
75mm x 25mm	6 metre	3468T
30mm x 30mm	2 metre	3468nn
38mm x 38mm	2 metre	3468G
38mm x 38mm	6 metre	3468U
50mm x 50mm	2 metre	3468h
50mm x 50mm	6 metre	3468S
Custom Orb	2 metre	3462B
Custom Orb	10 metre	3462b
Trimdek Bottom	2 metre	3462L
Trimdek Bottom	10 metre	3462K
Trimdek Top	2 metre	3462l
Trimdek Top	10 metre	3462k

* Other sizes available upon request

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