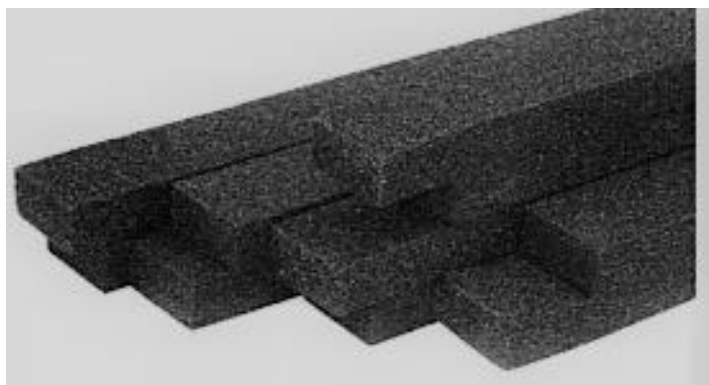


BIYSEAL POLYURETHANE IMPREGNATED FOAM



TECHNICAL DATA: UNIMPREGNATED FOAM

PROPERTY	DATA
Density	30 Kg/m ³
Identification Force Deflection (I.F.D.) 25% N 65% n	200 + 22 360 + 27
Resilience % Min	20
Tensile Strength Min Kpa	172
Cell size (cell / inch)	55 + 5
Elongation at break % of unstretched	200 %
Tear strength minimum KN/M	0.52
Compression set	5.0

DESCRIPTION:

Biyseal Polyurethane Impregnated Foam is produced using a light weight flexible foam, with a nominal density of 35kg per m³, then impregnated with bitumen, manufactured to AS2282-79. Biyseal is also available impregnated with an acrylic solution for use when ultra-violet light resistance is required.

Biyseal is supplied in 2m lengths as well as corrugated and Trimdek Top and Bottom roofing profiles.

USES:

Biyseal is suited as a weather resistant seal for numerous applications in both building and construction and, industrial either on its own or in conjunction with a sealant depending on the application.

Typical applications include:

- Dust/vermin proofing of metal wall or roof cladding
- Vertical expansion joints in precast concrete, brick and block work
- Jointing between walls and windows
- Profiled Biyseal for sealing various roof and wall decking
- Joint sealing of logs in timber homes

TECHNICAL DATA: BITUMEN IMPREG 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

BIYSEAL POLYURETHANE IMPREGNATED FOAM

HOW USED:

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

SIZES:

Sizes range from:

19mm x 13mm up to 75mm x 25mm x 2 metre

Profiles:

to suit Corrugated and Trimdek roofing profile x 2 metre length

HOW TO SPECIFY:

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



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:

Will sustain innumerable cycles of expansion and contraction without showing signs of fatigue or loss of recovery characteristics. The material can be compressed as much as 90% without rupture and will maintain its full recovery properties. The extent of elastic recovery when all compression forces are removed, is 98% in the first cycle.

Adhesion:

Biyseal when compressed, always exerts an outward pressure against the joint surface. Its performance is not dependent on adhesion, but it does adhere to the joint sides.

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