

OPEN CELL BACKING ROD

Biyseal

DESCRIPTION:

Biyseal Open Cell Backing Rod is a medium-density, firm, open cell orange polyurethane foam rod, specifically engineered for sealing expansion joints. Biyseal Open Cell Backing Rod is available in rolls, with diameters ranging from 10mm up to 50mm.

USES:

Biyseal Open Cell Backing Rod is suitable for both horizontal and, especially, vertical joint applications such as pre-cast panel butt joints. Its flexibility allows it to be stretched, compressed, or bent to conform to irregularly shaped joints. Due to its resilience and high coefficient of friction, it stays securely in place once positioned.

The open-cell structure facilitates increased airflow, which promotes faster curing of the applied sealant compared to closed cell alternatives. It serves as an excellent backing material for all types of sealants. The open-cell polyurethane foam should be compressed between 24% and 75% during installation. This wide compression range enables a single size of foam to accommodate a broader range of joint dimensions compared to closed cell polyethylene foam backing rods.

SIZES:

RANGE OF SIZES	CODE	ROLLS/BALE
10mm x 210 metre roll	3205U	25
16mm x 150 metre roll	3205R	15
22mm x 100 metre roll	3205S	11
29mm x 60 metre roll	3205T	8
38mm x 30 metre roll	3205V	6
50mm x 20 metre roll	3205W	5



TECHNICAL DATA:

PROPERTIES	UNIT	VALUE	TEST METHOD
Density	Kg/m ³	32 ± 3.0	ASTM D3574 A
Tensile Strength	kPa	120<	ASTM D3574 E
Compression Set	%	10>	ASTM D3574 D
Indentation Force Deflection, 25%	N	340 ± 20	ASTM D3574 B1
Elongation	%	90<	ASTM D3574 E
Ball Rebound	%	50>	ASTM D3574 H

SEALANT COMPATABILITY:

Biyseal Open Cell Backing Rod is commonly used as a backing foam in expansion joints, window glazing, precast panels and bridge construction. It is compatible with all known hot pour and cold applied sealants, including silicone, rubber and asphalt.

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