

Shield BackingRod

Closed-cell polyethylene Backing Rod



MICSHIELD®

Description

Shield BackingRod is a compressible, flexible, closed-cell polyethylene foam rods used as a backing material in construction joints before the application of sealants. They are non-absorptive, UV-resistant, and possess excellent weathering and aging properties, ensuring long-term durability even under severe environmental conditions.

Uses

- Used as a filler in joints before applying sealant, ensuring the sealant has the correct thickness and shape for optimal performance.
- Prevents sealant from sticking to the top of the expansion joint filler board (avoids three-way bonding).
- Provide a stable backing so the sealant stays in place and cures properly.
- Acts as a bond breaker, allowing joint movement.

Characteristics / Advantages

- Flexible, compressible, lightweight, and easy to cut and install.
- Available in different diameters.
- Excellent weathering resistance.
- High UV resistance.
- Non-absorbent.
- Good temperature resistance.
- Odorless.
- Non-toxic.

Shelf Life and Storage

Shield BackingRod has an unlimited shelf life when stored in cool and dry conditions, protected from direct sunlight, heat, and moisture. The storage area should be free from any equipment that generates ozone.

Technical Support

Refer to contacting technical information, method statement or technical support team for any inquiry.

Properties

Color	White
Density	33 kg/m³
Compression set	15%
Compression Stress	0.013 MPa
Tensile Strength	0.18 MPa
Temperature Strength	-40 to +95 °C
Elongation	80%
Water Absorption	< 3 g/m²d

Dimensions

- Round:** Available in rolls with diameters ranging from 6 mm to 80 mm.
- Square:** Available in lengths of 1 m, 1.5 m, and 2 m, with cross-sections of 10x10 mm, 15x15 mm, 20x20 mm, and 25x25 mm.

Application

Select a round or square backer rod with a diameter approximately 20–25% larger than the joint size. This ensures a tight, firm fit when compressed into the joint. Insert the backer rod to the specified depth required for sealant application.

Safety Instructions

For additional information or guidance on health and safety measures, safe handling, storage, and proper disposal of products, please consult the latest Material Safety Data Sheet (MSDS), available upon request.

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