

Closed Cell Polyethylene Foam Back Rod

iFlex BR[®]

ichem[®]
building solutions

Description

iFlex BR[®] Foam Backer Rod Closed Cell is manufactured from closed cell, low density, polyethylene foam. **iFlex BR[®]** Foam Backer Rod Closed Cell has excellent compression and recovery properties, is available in various sizes and lengths. The round profile assists in providing the correct joint sealant profile allowing optimum movement capability.

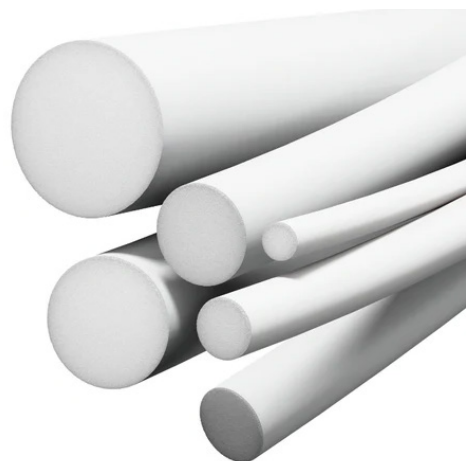
Key Features

- Easy to use.
- Extremely flexible.
- Excellent recovery after compression.
- Water resistant.
- Closed cell.
- Compatible with cold applied sealants (polyurethane, silicone).
- Assists with sealant profile.
- Assists with joint design.

Uses

iFlex BR[®] Foam Backer Rod is especially recommended for use in :

- Joint sealant support for concrete flooring.
- Expansion joints in concrete structures.
- Water treatment plants.
- Potable water structures (Tanks, Canals, reservoirs etc.).



Technical Properties

Color	White
Density	0.025 ~ 0.040 gm / cm ³
Average Cell Size	0.26 ~ 0.33
Tensile Strength	2.2 – 3.4 kg / cm ²
Elongation	130 ~ 140 %
Permanent Compression set	5.0 %
Dielectric Constant	1.05 ~ 1.58 E (kHz)
Sound properties	Good
Toxic character	Non toxic.
Chemicals Resistance	Excellent
Thermal Conductivity	0.027 ~ 0.040 hr °C
Water Absorption	0.03 below mg / cm ²
Combustion Rate	6.40 ~ 10.0 cm / min
Heat Distortion temperature	70 ~ 80°C
Repeated Compression set:	2.2 – 2.40 %

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Application Instructions

- When forming expansion joints with **iFlex BR[®]** Foam Backer Rod on site, simply insert the back rod into joint
- the joint width must be less 5mm than Back Rod diameter
- Make sure that the sealant depth is adjusted in all joint length.
- As elastomeric sealant will not bond to **iFlex BR[®]** Foam Backer Rod the additional need for bond-breaker strips is not necessary.

Packaging

iFlex BR[®] Foam Backer Rod is supplied as follows:

Size	Packing
10mm	100m Roll
15mm	100m Roll
20mm	100m Roll
25mm	100m Roll
30mm	100m Roll
40mm	2m Rod
50mm	2m Rod

Shelf Life

Shelf life is up to 60 months when stored as per recommendations.

Store

Store components in original containers in a clean, dry location. Ensure temperature or moisture sensitive components are stored in a tempered location. The recommended storage temperature is from -5 °C to *30 °C.

Contractor to provide temporary protective covers on all installed finished surfaces. Protection is required to guard against both surface abrasions as well as overloading of horizontal deck components by construction traffic .

Product Data Sheet - January 2025, Version 1.2.2

