

HBR BACKER ROD

Polyethylene Foam for Backing Cold Applied Sealant

Product Description

HBR backer rod is a backing for elastomeric and other cold-applied sealants. HBR is round, flexible, continuous lengths of extruded, closed –cell polyethylene foam. Gray in colour, HBR is available in a variety of diameters .
(See Table1)

Typical Applications

It is used in expansion or contraction joints :

- Control the depth of applied sealant.
- Act as a barrier interface to prevent three sided adhesion (bond breaker).
- Provide a form to assist the sealant in developing the hour glass shape.
- It is used in glazing and expansion joints applications for windows, curtain walls, expansion wall joints, partitions, doors, settling cracks, pavements, pre-cast units and copings.(See Fig.1)

Product Features

- HBR Backer Rod is chemically inert and resistant to oils & gasoline.
- It does not stain or adhere to sealant materials.
- Acts as a bond-breaker strip.
- HBR has a resilient closed – cell structure.

Limitations

HBR should not be used with hot melt adhesives and sealants where their temperature is over 70°C(160 °F).

Standards

- CEGS-07951-9 Back-Stop Material
- TT-S 00227E (COM - NBS) 6.8.8 & ASTM C1330

Guide for Application

Surface Preparation

- Loose friable material should be removed and surfaces made good.
- Joint faces must be clean, dry, clear of dust and free from substances likely to impair adhesion.
- Metal and other non-porous surfaces should be wiped clean using Cleaning Solvent and the two cloth method.

Installation

(See Table III for HBR backer rod size per joint width .)

Preparatory Work

Joint should be clean, moisture free, and clear of any obstructions.

Method

Either cut the desired length of HBR Backer Rod or dispense directly from reel. Position HBR in the joint at the depth specified by the sealant manufacturer or architect. Using a blunt tool or roller, press the rod uniformly into the joint at the specified depth. Apply the sealant over the HBR rod according to manufacture's directions.

Technical Properties

S.G.	2.0 Lbs /ft ³	(ASTM D-1622)
Tensile Strength	25 psi	(ASTM D-1623)
Water Absorption	0.5% By Volume	(ASTM D-509)
Compression Deflection	25% at 8 psi	(ASTM D-1621)

HBR BACKER ROD

Precautions

Do not puncture, over compress or stretch HBR Backer Rod during insertion.

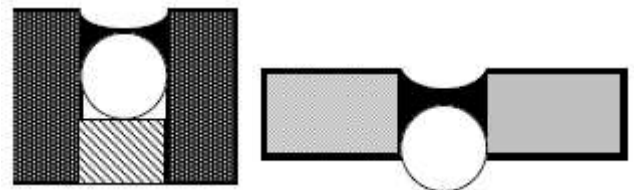
Packaging

All sizes are wound on reels, and packaged in boxes, except 1 ½ inch and 2 inch diameters which are packaged in 7ft. straight length in cartons. See Table 1 for quantities.

TABLE 1
SIZING AND PACKAGING DATA

HBR Backer Rod		Meters
Diameter, inch, (mm.)		per carton
¼	(6.35 mm.)	1950
3/8,	(9.53 mm.)	1097
1/2,	(12.7 mm.)	762
5/8,	(15.88 mm.)	472
3/4,	(19.05 mm.)	335
1	(25.4 mm.)	167
1¼,	(31.75 mm.)	121
1½,	(38.1 mm.)	234.5
2,	(50.8 mm.)	160

Figure 1
Typical Uses of HBR Backer Rod
SILICONE SEAL SEALANT



Temporarily placed and removed once silicone sets. Additional silicone added to fill complete void between glass.
HBR for Butt Glazing

HBR in expansion joints and similar applications

TABLE III
RECOMMENDED HBR BACKER ROD SIZE PER JOINT

Joint Width, inch, (mm.)	H.B.Rod,	Diameter, inch, (mm)
3/16 inch or less (4.76mm.)	1/4 inch	(6.35 mm.)
1/4 (6.35 mm.)	3/8	(9.53 mm.)
3/8 (9.53 mm.)	1/2	(12.7 mm.)
1/2 (12.7 mm.)	5/8	(15.88 mm.)
5/8 (15.88 mm.)	3/4	(19.05 mm.)
3/4 (19.05 mm.)	1	(25.4 mm.)
7/8 (22.23 mm.)	1 1/4	(31.75 mm.)
1 1/8 (28.58 mm.)	1 1/2	(38.1 mm.)
1 5/8 (41.28 mm.)	2	(50.8 mm.)

Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material.

EAMIC TRETOL

Leaders in Construction Chemical Technology

Tretol is a member of the **RPM** International Group of Companies

Edition 01.2019

Cairo : 2 Hadaek El Obour, Salah Salem St. Nasr City – Cairo Egypt
Alex : 37 Ismail Serri Street Smouha- Alexandria

Tel: (202) 22636220/24011024/22619414
Tel: (203) 4255066

Fax: (202) 22639002
Fax: (203) 4255066
www.eamic.co