

FILLET BACKER ROD

NAME: HBR® 1/4 ROUND
HBR® 1/2 ROUND

TYPE: Engineered Polymer Foam for use with cold applied sealants

FORM: 1/4 Round and 1/2 Round Fillet

TEMPERATURE LIMITS: -45°F to 160°F

FEATURES

- Meets all of the requirements of the 1990 Clean Air Act
- Is a "Domestic End Product" as defined in the Buy American Act, Title 41 USC 10.
- Easy to apply.
- Chemically inert.
- Contractor friendly.

DESCRIPTION

Flexible lengths of fabricated, closed-cell polyethylene foam. Gray in color, this backer material is used with elastomeric and other cold applied sealants.

APPLICATIONS

Fillet joints, cove joints, and shallow joint reservoirs.

BENEFITS

Limits depth of the sealant, and prevents excessive sealant use. Helps sealant assume optimum shape factor to prolong sealant service life and reduce bond line stress. Prevents bottom-side adhesion of the sealant

SIZE SELECTION

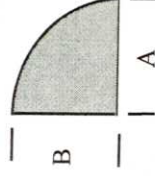
Proper size selection is important to control the shape of the sealant bead. It must be sized to fit the application and function as a bondbreaker tape to prevent bottom side adhesion of the sealant.

JOINT PREPARATION

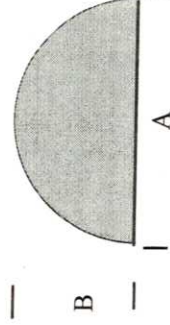
Joints must be cleaned thoroughly, removing any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed.

HBR®	1/4 AND 1/2 ROUND AVAILABLE SIZES						
	1/4 ROUND			1/2 ROUND			
	A Dimension in.—mm	B Dimension in.—mm	A Dimension in.—mm	B Dimension in.—mm	A Dimension in.—mm	B Dimension in.—mm	
1/4	6	1/4	6	5/8	16	5/16	8
3/8	10	3/8	10	3/4	19	3/8	10
1/2	13	1/2	13	1	25	1/2	13
3/4	19	3/4	19	1 1/4	32	5/8	16
1	25	1	25	1 1/2	38	3/4	19
1 1/4	32	1 1/4	32	2	51	1	25
1 1/2	51	1 1/2	51	2 1/2	38	1 1/4	32
2	51	2	51	3	51	1 1/2	38

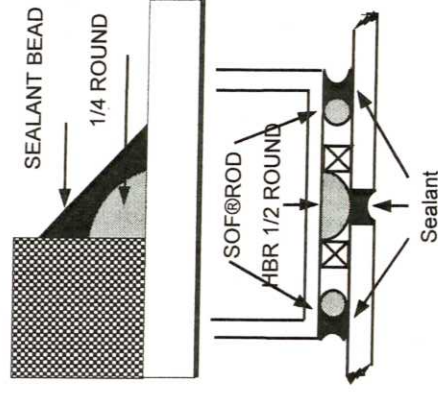
1/4 Round Fillet



1/2 Round Fillet



Typical Applications



NOMA SPEC

SUBMITTAL SHEET



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Sealant Backer Properties
Note — This table applies to Fillet 1/4 Round and 1/2 Round sealant backing for use with cold liquid applied sealants

Property	Test Method	Type C
Water absorption (g/cc)	C 1016—Procedure B	<0.10
Density (kg/m ³)	D 1622	24-48
Outgassing (No. of bubbles)	C 1253	>1
Compression recovery (%)	D 5249	>90
Compression deflection (kPa)	D 5249	>20.5
Tensile Strength (kPa)	D 1623	>200

INSTALLATION & SEALANT PLACEMENT

Place a small bead of sealant to tack fillet in place prior to applying the sealant bead. Refer to sealant manufacturer's recommendations.

PRECAUTIONS

Do not puncture, over compress or stretch during insertion. Do not use with hot applied sealants. Tests for outgassing of cold applied sealants shall be made in accordance with ASTM Test Method C 1253. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM Test Method C 1087.

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SOF®ROD, HBR®, HBR®-XL

Diameter in Inches	Lft/Ctn.
1/4"	6400
1/4"	2500
3/8"	3600
3/8"	1400
1/2"	2500
1/2"	800
5/8"	1550
5/8"	550
3/4"	1100
3/4"	400
7/8"	850
7/8"	330
1"	550
1 1/8"	500
1 1/8"	120
1 1/4"	400
1 1/2"	552
2"	360
2 1/2"	240
3"	144
4"	90
6	198

Packaging and Shipping Information

TRUCKLOAD = 27 Pallets Pallet Dimensions:

36"x54"x96"h - Standard Packs
30"x54"x93"h - Handy Packs

Carton Type	Backer Rod Diameters	Carton Dimensions	Cartons /Pallet	Weight
Handy Pack	1/4" - 1 1/8"	15"x15"x18"	36	5 Lbs.
Standard Spool	1/4" - 1 1/4"	18"x18"x31"	18	12 Lbs.
Cut Lengths	1 1/2" - 4"	12"x22"x74"	8	18 Lbs.
Cut Lengths	6"	24"x36"x12"	N/A	140 Lbs.