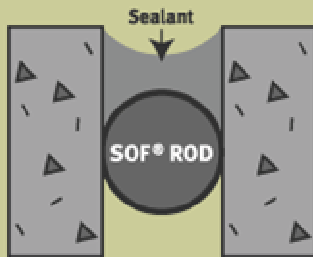




# Backer Rod

## Typical Expansion Joint



*SOF® ROD combines the best properties of both open and closed cell foam backer rods.*

Division 2 Section 2500  
Division 7 Section 07900  
Made in the USA.

*Specify earth-friendly SOF® ROD on your next job.*

### 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
- ▽ Non Gassing
- ▽ Non-exuding
- ▽ Chemically inert
- ▽ Non-absorbing

**Temperature Limits for Sof®Rod and HBR®**

**-45° to 160° F**

**Sof®Rod** is a continuous length of extruded polyolefin foam made of a non-absorbing outer skin and a highly resilient interior network of open and closed cells, which does not out-gas when ruptured. (Type B-per ASTM C1330. Cylindrical flexible sealant backings composed of bi-cellular material as defined in Terminology ASTM C 717)

**HBR®** is a round, flexible, continuous length of extruded, closed-cell polyethylene foam backer rod for use as a backing material for elastomeric and other cold applied sealants. (Type C-Cylindrical, flexible sealant backings composed predominantly of closed cell material per ASTM C 1330, for use with cold applied sealants.

### SOF®ROD Physical Property Requirements

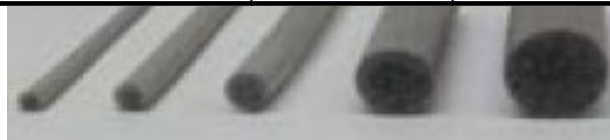
Property	Value	ASTM TEST METHODS
Water absorption (g/cc)	0.03-0.10	C1016 Procedure B
Density (kg/m <sup>3</sup> )	24-48	D 1622
Outgassing (No. of bubbles)	<1	C 1253
Compression recovery (%)	>90	D 5249
Compression deflection (kPa)	>20.5	D 5249
Tensile Strength (kPa)	>200	D 1623



### HBR® Sealant Backer Properties

Note — This table applies to cylindrical sealant backing for use with cold liquid applied sealants

Property	Value	ASTM Test Method
Water absorption (g/cc)	<0.03	C1016—Procedure B
Density (kg/m <sup>3</sup> )	24-48	D 1622
Outgassing (No. of bubbles)	>1	C 1253
Compression recovery (%)	>90	D 5249
Compression deflection (kPa)	>20.5	D 5249
Tensile Strength (kPa)	>200	D 1623



1055 Leisch's Bridge Road • Leesport, PA 19533  
610-926-6815 • 1-800-872-5625 • Fax: 1-800-854-6614  
www.wind-lock.com



# Backer Rod



**Applications:** Expansion/Contraction Joints where cold applied sealants are used, such as curtain walls, construction partitions, precast assemblies and copings, parking decks, bridge construction, building rehabilitation.

**Benefits:** Limits depth of the sealant, and prevents excessive sealant use. Helps sealant assume optimum shape factor to prolong sealant service life. Will not absorb water or wick water to the joint walls to cause adhesive failure. Prevents bottom-side adhesion of the sealant.

HBR <sup>®</sup> TABLE 1 Product Packaging Information and Recommended Diameter Use for Joint Width								
Nominal Diameter in.—mm	Joint Dimension in.—mm	Linear Ft./ Carton lft.—m	Carton Dimension	#/ Ctn. lbs.—kg				
1/4"	6	3/16" or less	5 or less	2500 782	15"X15"X18"	7	1	
3/8"	10	1/4"	6	1400 427	15"X15"X18"	7	1	
1/2"	13	3/8"	10	800 244	15"X15"X18"	7	1	
5/8"	16	1/2"	13	550 168	15"X15"X18"	7	1	



**Applications:** Expansion/Contraction joints where cold applied sealants are used. Sof Rod is commonly used in new expansion and contraction joints and ones that are being rehabilitated, and many times have non-uniformed joint dimensions, such as curtain wall construction partitions, precast assemblies and copings, parking decks, bridge construction, building rehabilitation, etc. It easily fills various sizes and shapes of openings and is non-gassing when punctured during installation.

**Benefits:** Limits the amount of the applied sealant, acts as a barrier interface to prevent backside adhesion (bondbreaker), and provides a form to assist the sealant in developing the shape factor and depth to width ratio of the sealant.

SOF <sup>®</sup> ROD TABLE 1 Product Packaging Information and Recommended Diameter Use for Joint Width								
Nominal Diameter in.—mm	Joint Dimension in.—mm	Linear Ft./ Carton lft.—m	Carton Dimension	#/ Ctn. lbs.—kg				
3/8"	10	1/4"	6	1400 427	15"X15"X18"	7	1	
5/8"	16	1/2"	13	550 168	15"X15"X18"	7	1	
7/8"	22	11/16"	18	330 101	15"X15"X18"	7	1	
1 1/8"	29	7/8"	22	150 48	15"X15"X18"	7	1	

## ORDERING INFORMATION

W-SR38	3/8" x 1800'	Sof-Rod
W-SR58	5/8" x 1550'	Sof-Rod
W-SR78	7/8" x 850'	Sof-Rod
W-SR112	1-1/2" x 552'	Sof-Rod
W-SR2	2" x 360'	Sof-Rod
W-SR38H	3/8" x 1400'	Sof-Rod Handi Pack
W-SR58H	5/8" x 550'	Sof-Rod Handi Pack
W-SR78H	7/8" x 330'	Sof-Rod Handi Pack
W-SR48	1/2" x 2500'	Hard Rod
W-SR48H	1/2" x 800'	Hard Rod Handi Pack
W-HR34H	3/4" x 400'	Hard Rod Handi Pack
W-HR38H	3/8" x 1400'	Hard Rod Handi Pack
W-HR58H	5/8" x 550'	Hard Rod Handi Pack



1055 Leisch's Bridge Road • Leesport, PA 19533  
610-926-6815 • 1-800-872-5625 • Fax: 1-800-854-6614  
www.wind-lock.com