

# Closed-Cell Flat Backer Rod



**Product Name:**  
**Flat Rod™**

*Flat, perforated rolls of closed-cell, polyethylene foam for use as a backing material for hot- and cold-applied sealants in shallow reservoirs.*

**Features**

- Easy to manipulate
- Chemically inert
- Waterproof
- Virtually dust-free
- 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

Physical Property Requirements		
Property	Value	ASTM Test Methods
Density lb/ft <sup>3</sup> (kg/m <sup>3</sup> ), avg.	31.3(.88)	D 1622
Outgassing (No. of Bubbles)	> 1	C 1253
Compression Recovery, %, min	> 90	D 5249
Compression Deflection psi (kgf/cm <sup>2</sup> )	21 (1.42)	D 5249
Tensile Strength psi (kgf/cm <sup>2</sup> ), min	27 (1.83)	D 1623
Water Absorption (g/cc)	< 3% Max.	C-1016

**Description**

TYPE: 2: - Strips of various thicknesses intended for use with cold applied sealants. FORM: Flat strips.  
TEMPERATURE LIMITS: -45°F to +160°F.

**Benefits**

Flat rod limits the depth of the sealant and prevents excessive sealant use. It also helps sealant assume a three-point adhesion to prolong sealant service life and acts as a barrier to the flow of sealant through the joint.

**Applications**

Common applications include, but are not limited to, expansion and contraction joints, curtain walls, construction partitions, parking decks and bridge construction where both cold- and hot-applied sealants are used.

# Closed-Cell, Flat Backer Rod

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Packaging Specs						
Product	Description	Unit	Roll Length	Total Lft./Roll	Unit Weight	Unit Dimension
3/8" x 3-1/2"	Perforated Strips	Roll	100'	400 Lft.	1 lbs.	24" x 24" x 4"
	(3) 1" wide		100'	300 Lft.		
	(2) 1/2" wide		100'	100 Lft.		
1/2" x 3-3/4"	Perforated Strips	Roll	100'	400 Lft.	1 lbs.	24" x 24" x 4"
	(3) 1" wide		100'	300 Lft.		
	(1) 3/4" wide		100'	100 Lft.		

*Each strip has a tolerance of + or - 1/8"*

## Joint Preparation and Installation

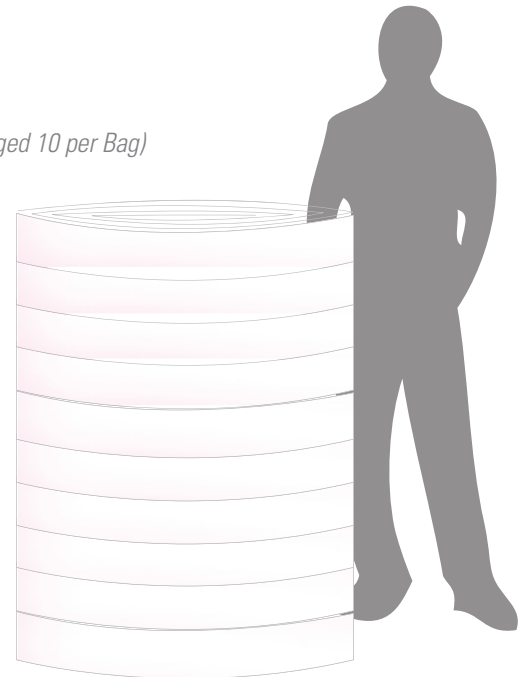
Just prior to placing the backer rod, clean all joints per the sealant manufacturer's recommendations. Thoroughly remove any concrete form-release agents, curing compound residue, laitance, or any foreign materials. To ensure a good sealant bond, joints must be clean and dry when the new sealant is installed. Air compressors used for this purpose must be equipped with traps for removal of oil and moisture. Install the backer rod at the depth recommended by the sealant manufacturer with a blunt tool.

**Size Selection** - Proper size selection is important as it controls the depth of the sealant bead. It must be oversized (25-50%) to fit tightly into the joint and function as a bond-breaker to prevent back-side adhesion of the sealant.

**Compatibility** - Closed-cell polyethylene foam is basically an inert material; and therefore, it is compatible, both physically and chemically, with virtually all known cold applied sealants including self-leveling types.

**Precautions** - Do not puncture, over compress or stretch backer rod 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.

Rolls  
(Packaged 10 per Bag)



*Examples shown are for illustrative purposes only. Actual product may differ, slightly.*

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