



Flat Rod™

Closed Cell Flat Profiles

Closed-Cell polyethylene foam expansion material, for use in concrete construction. Engineered with and without a 1/2" easy-tear strip, for use with sealant applications.

D E C E M B E R 2 0 1 4



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

Description

TYPE: 2 - Strips of various thicknesses intended for use with cold-applied sealants.

FORM: Flat strips.

TEMPERATURE LIMITS: -45°F to +200°F.

Benefits

Polyethylene foam is an economical choice for use in concrete construction. Flat Rod is lightweight, non-absorbent, UV stable and compressible for easy installation.

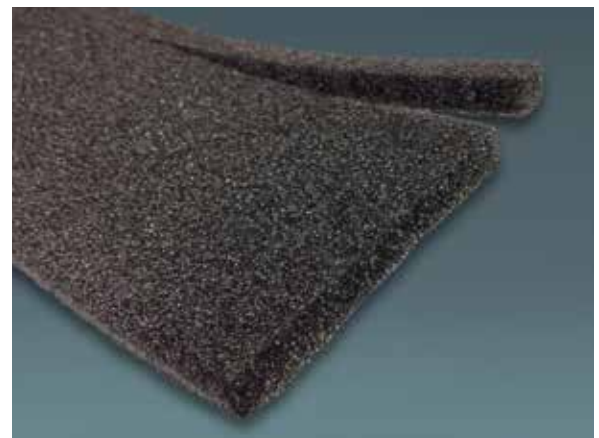
Applications

Flat Rod extends the service life of concrete by acting as an insulator to contraction and expansion joints, while acting as a bondbreaker for sealants. Common applications include, but are not limited to: parking decks, curbs and gutters, concrete slabs, swimming pools, roads and airport runways.

Storage

Store in a well ventilated area. Do not store products in direct sunlight. Keep away from heat sources and open flames.

Physical Properties		
Property	Value	ASTM Test Methods
Density lb/ft ³ , avg.	≤ 2	D 1622
Outgassing (No. of Bubbles)	> 1	C 1253
Compression Recovery, %, min	> 90	D 5249
Compression Deflection psi (kPa)	5.2 (36.1)	D 5249
Tensile Strength psi (kPa)	47.7 (329)	D 3575
Water Absorption (g/cc)	(0.0051)	D 3575



Packaging Specifications

Product	Unit	Roll Length	Packaging	Unit Dimension
1/4" x 4"	Roll w/Tear Strip	100'	10 Rolls Per Bag	4" x 19" x 19"
1/4" x 5"	Roll w/Tear Strip	100'	6 Rolls Per Bag	5" x 23" x 23"
1/4" x 6"	Roll w/Tear Strip	100'	5 Rolls Per Bag	6" x 23" x 23"
1/2" x 4" (1/2" slit)	Roll w/Tear Strip	50'	10 Rolls Per Bag	4" x 20" x 20"
1/2" x 6" (1/2" slit)	Roll w/Tear Strip	50'	5 Rolls Per Bag	6" x 22" x 22"
1/4" x 1"	Spool	2000'	18 Spools/Pallet	18" x 18" x 30"
3/8" x 1"	Spool	1300'	18 Spools/Pallet	18" x 18" x 30"
1/2" x 1"	Spool	1000'	18 Spools/Pallet	18" x 18" x 30"

Custom sizes available upon request. Please contact us for more information.

Joint Preparation and Installation

Just prior to installing Flat 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 Flat Rod at the depth recommended by the sealant manufacturer with a blunt tool.

Compatibility

Closed-cell polyethylene foam is 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 Flat 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.

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