

ISOFLEX™

Closed-Cell Polyethylene Joint Filler



Isoflex™ is a closed-cell polyethylene foam expansion joint filler used in concrete construction. The convenient tear-off strip incorporated into the product makes it easy to create a void when using cold-applied sealants. Isoflex is particularly ideal for isolation joints accommodating different horizontal and vertical movement between the pavement and a structure.

PERFORMANCE

Isoflex extends the service life of concrete by acting as an insulator in isolation and expansion joints, while acting as a bond-breaker for sealants. Isoflex is an ideal choice for concrete joint filler applications around footings, foundations, structures and curved or round bases and posts. Typical projects include walkways, parking decks, curbs and gutters, concrete slabs, swimming pools and driveways.

INSTALLATION

Prior to installing Isoflex, the joints should be cleaned 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. When cold-applied sealants are required, the 1/2" tear-off strip can be removed to help control the amount of sealant required. Install Isoflex at the depth recommended by the sealant manufacturer with a blunt tool.

Care should be taken not to puncture or over-compress or stretch Isoflex during installation. Isoflex is not meant to be used with hot-pour sealants. Sealant compatibility should be confirmed by the sealant manufacturer. Compatibility characteristics of sealants in contact with sealant backings can be determined by ASTM C 1087 test method.

DESCRIPTION

FORM: Flat strips

ASTM D 5249 TYPE: 2 - Strips of various thicknesses intended for use with cold-applied sealants

ASTM D 7174, TYPE: 1 - Closed-cell polyethylene foam filler

TEMPERATURE LIMITS: -45°F to +200°F

Features

- Natural bond breaker
- Lightweight
- Water resistant
- UV resistant
- Easy to use
- Used with cold-applied sealants
- Clean product
- Inert
- Recyclable
- Reusable
- Made in USA

Specification Compliance

- Meets all requirements of the 1990 Clean Air Act
- Is a "Domestic End Product" as defined in Buy American Act, Title 41 USC 10
- Meets ASTM D 7174
- Meets ASTM D 5249 Type 2

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density	<2.0 lbs./cu.ft.	D 545
Compression Strength (psi) Compressed 25% (to 75% of original thickness) and 85% (to 15% of original thickness)	Min. comp. at 25% >5 psi Max. compressed at 85% <300 psi	D 7174, D 545
Compression Recovery from 50% compression, min.	> 95%	D 7174, D 545
Extrusion At 50% compression, max.	<0.25 in.	D 7174, D 545
Water Absorption (volume %, max.)	<0.5%	D 545

PRODUCT INFORMATION

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"
1/2" x 3"	Roll w/Tear Strip	50'	12 Rolls Per Bag	3" x 20" x 20"
1/2" x 4"	Roll w/Tear Strip	50'	10 Rolls Per Bag	4" x 20" x 20"
1/2" x 5"	Roll w/Tear Strip	50'	6 Rolls Per Bag	5" x 20" x 20"
1/2" x 6"	Roll w/Tear Strip	50'	5 Rolls Per Bag	6" x 22" x 22"
1/2" x 8"	Roll w/Tear Strip	50'	5 Rolls Per Bag	8" 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"

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