

OCFOAM™

Open Cell Polyurethane Backer Rod



OCFoam™ is an open-cell polyurethane foam backer rod used as a backing in concrete construction for elastomeric and other hot-pour and cold-applied sealants. OCFoam acts as a barrier, limits the depth of sealant required and prevents excessive sealant use.

PERFORMANCE

OCFoam limits the amount and depth of sealant applied into a joint and provides a form to assist cold-applied, or hot-pour sealants in developing the proper shape factor to prolong the sealant service life. OCFoam acts as a bond breaker to allow joint movement without undue stress to the sealant. It is commonly used in applications such as expansion and contraction joints, window glazing, curtain wall partitions, parking decks and bridge construction.

Open-cell polyurethane foam is an inert material, and therefore, it is physically and chemically compatible with virtually all known hot-pour and cold-applied sealants including silicone and rubber asphalt.

INSTALLATION

Prior to installing OCFoam, 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. Install OCFoam with a blunt tool at the depth recommended by the sealant manufacturer.

Care should be taken to properly size OCFoam 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. 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: Round Foam Rod.

TYPE: O - Per ASTM C 1330. Cylindrical, flexible sealant backings composed of open-cell material.

TEMPERATURE LIMITS: -60°F to +500°F.

Features

- Lightweight
- Non-gassing
- Non-exuding
- Easy to use
- Use with hot-pour and cold-applied sealants
- Clean product
- Inert
- 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

PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density lb/ft ³ (kg/m ³), avg.	1.7 (27)	D 1622
Outgassing (No. of Bubbles)	0	C 1253
Compression Recovery, %, min	> 98	D 5249
Compression Deflection psi (kPa)	1.4 (9.4)	D 5249
Tensile Strength psi (kPa)	25 (172)	D 3575
Temperature Range	-60°F to +500°F	D 5249

PRODUCT INFORMATION

Product	Unit	Linear Feet Per Bag	Linear Feet Per Sleeve	Bag / Sleeve Color Code
3/8" (10 mm)	Sleeve (4 bags)	750'	3000' (914 m)	Clear
5/8" (16 mm)	Sleeve (4 bags)	500'	2000' (609 m)	Red
7/8" (22 mm)	Sleeve (3 bags)	350'	1050' (320 m)	Orange
1-1/8" (29 mm)	Sleeve (2 bags)	300'	600' (182 m)	Green
1-1/2" (38 mm)	Sleeve (1 bag)	350'	350' (106 m)	Yellow
2" (51 mm)	Sleeve (1 bag)	200'	200' (60 m)	Blue