

POLYPROPYLENE FOAM EXPANSION JOINT

DIVISION 03 15 16 – CONCRETE CONSTRUCTION JOINTS



A NEW STANDARD FOR CONCRETE EXPANSION JOINTS

Sakrete's Polypropylene Foam Expansion Joint is a performance-engineered foam that sets a new standard for concrete expansion joint fillers. Manufactured using semi-rigid closed-cell polypropylene, Sakrete Expansion Joints are cleaner, lighter, and longer-lasting than traditional asphalt-impregnated fiber expansion joints.



FEATURES

- No waste due to breakage
- Ultra-lightweight
- Flexible, bends around circular structures
- Moisture resistant
- Can be used with hot-pour and cold-applied sealants
- Clean product
- Odor-free

TECHNICAL DATA

PROPERTY	VALUE	ASTM TEST METHODS
Water Absorption	<1%	D 8139, D 545, D 1751
Compression Strength	>30 psi and <60 psi	D 8139, D 545, D 1751, D 1752
Compression Recovery	>80%	D 8139, D 545, D 1751, D 1752
Freeze Thaw Resistance	No Change	D 8139, D 4329 (1000 hrs. Cycle A)
Heat Resistance	392°F +/- 5°F	D 8139, D 5249
UV Weathering	No Change	D 8139, D 4329 (1000 hrs. Cycle A)
Extrusion	<0.1 in.	D 8139, D 545, D 1751, D 1752
Density	>3.5 lbs./cu.ft.	D 8139, D 545, D 1751, D 1752
Boiling in Hydrochloric Acid	No disintegration	D 545, D 1752
Expansion in Boiling Water	<1% expansion	D 545, D 1752
100% Recyclable	N/A	N/A
R-Value	3.5	C 518
Out-Gassing (no. of bubble)	0	C 1253

PERFORMANCE

Sakrete Polypropylene Foam Expansion Joint is a closed-cell polypropylene foam that can be used in residential, commercial, civil, municipal and industrial applications. It will not absorb water, swell and disintegrate and it extends the service life of concrete by reducing the amount of incompressible materials entering the joint. Sakrete Polypropylene Foam Expansion Joint does not impede sealant cure time and can be used without a bond breaker with no impact on the long-term performance of the sealant.

Sakrete Polypropylene Foam Expansion Joint resists oils, gas, salts, acetone and other chemicals. It does not leach like other products and is not sticky. Sakrete Polypropylene Foam Expansion Joint fully complies with ASTM standard specification D 8139, and ASTM standard specification D 1751 for extrusion, compression recovery and water absorption as tested per ASTM test method D 545.

INSTALLATION

ENSURE THAT THE FOLLOWING ARE FOLLOWED:

1. Prior to the pouring of concrete, Sakrete Polypropylene Foam Expansion Joint should be installed against the forms or any abutting structure where concrete is to be poured and an expansion joint is required.
2. When Sakrete Polypropylene Foam Expansion Joint is used as a form, typical wooden or metal stakes, placed frequently and spaced evenly along the face of the material, can be used to hold it in place.
3. When using sealants, Sakrete Polypropylene Foam Expansion Joint should be installed ½" below the concrete surface to allow space for the joint sealant.
4. Edge cap material should be installed over the top edge of Sakrete Polypropylene Foam Expansion Joint prior to pouring the concrete, then screed to the desired finish.
5. When the concrete has adequately cured, remove the edge cap and prep the joint surface with the appropriate edger or jointer tool.
6. Be sure to apply the joint sealant as instructed by the sealant manufacturer. Sakrete Polypropylene Foam Expansion Joint can be used with both hot and cold applied concrete joint sealants or with no joint sealant at all.

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SAFETY



DANGER HAZARD STATEMENT

Dust may cause irritation or eye injury due to mechanical action. No special protection is required under normal use with adequate ventilation. Wear appropriate respiratory protection if dust, smoke, or fumes are generated during abnormal processing, if isobutane levels are maintained below the ACGIH TLV of 800 ppm. For exposures above the TLV, take into consideration the type of application, environmental concentrations and materials being used concurrently when selecting a respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

PRECAUTIONARY STATEMENTS

This product is combustible and should not be exposed to sparks or open flames. Large quantities of this product can burn rapidly and release toxic gases, including carbon monoxide. Fabrication methods involving cutting of large quantities of this product may release isobutane remaining in the foam cell structure. Provide adequate ventilation to ensure that isobutane concentrations remain below the ACGIH threshold limit value (TLV) of 800 ppm and the Lower Flammable Limit of 1.8% in air by volume to protect workers and eliminate the possibility of developing flammable or hazardous concentrations. Store in a cool, dry location. Keep away from high temperatures and hot pipes. Store away from direct sunlight. This material is combustible and should not be exposed to flame or other ignition sources. Flammable vapors of isobutane may be generated during unventilated storage of large amounts of this product (for example, in storage trailers). To prevent the build-up of flammable vapors, do not store large quantities of this product in unventilated spaces including trailers. Ventilated trailers are recommended for transportation of bulk shipments of this product.

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

For additional information, call the manufacturer at 866-725-7383 or Chemtrec at 800-424-9300 or 703-527-3887 outside of USA. Refer to Safety Data Sheet (SDS) for further information.

LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product is free from defects in material and workmanship and will perform per the manufacturer product literature in effect at the time of purchase. This warranty is for one (1) year from the date of purchase. Any implied warranty of merchantability or fitness for a particular purpose is limited to the duration of this express warranty. This warranty applied only if the product is used, in strict accord with manufacturer published instructions. The sole and exclusive remedy under this warranty is replacement of the defective product or refund of the purchase price, at manufacturer's option. CONSEQUENTIAL, SPECIAL, AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY. All claims under this warranty must be submitted to manufacturer by calling 866-725-7383. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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For current and complete product information, contact SAKRETE Technical Services toll-free at 866-725-7383 or visit Sakrete.com