

DIVISION 3

CONCRETE EXPANSION JOINT STRIPS

Common Work Results
for Concrete 03 05 00

PRODUCT NO. 6917-05, -06

PRODUCT DESCRIPTION

QUIKRETE® Concrete Expansion Joint Strips are soft, compressible foam inserts for expansion and isolation joints in concrete construction.

PRODUCT USE

QUIKRETE® Concrete Expansion Joint Strips can be used in all standard concrete construction, such as highways, runways, parking garages, driveways, sidewalks, and floor slabs. Concrete Expansion Joint Strips can also be used as a buffer between dissimilar materials such as columns, manhole covers, and adjacent constructions. Meets ASTM D 1752* and D 4819 Type II.

FEATURES

- Will not break or crack when used around curves or columns
- Approximately 10 times lighter than traditional expansion joints
- Will not rot over time due to the near-zero water absorption
- Easy to cut and handle on the jobsite

SIZES

- QUIKRETE® Concrete Expansion Joint Strips – 50' rolls (15.2 M), 4" (100 mm) high.

TECHNICAL DATA

APPLICABLE STANDARDS

ASTM International

- ASTM D545 *Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types)*
- ASTM D3575 *Test Methods for Flexible Cellular Materials Made from Olefin Polymers*
- *Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)* (*With the compressive requirement of Section 5.2 modified to 10 psi minimum and 25 psi maximum due to the material type)
- ASTM D4819 *Specification for Flexible Cellular Materials Made From Polyolefin Plastics*

QUIKRETE® Concrete Expansion Joint Strips meets the requirements of ASTM standards D4819 Type II (Suffixes D4, B5, T13, T24, G2, W1, L1). Typical physical properties, when tested with the appropriate ASTM standard, are shown in Table 1.

INSTALLATION

Unroll expansion material and cut to needed length. Attach to adjacent material (brick, block, existing concrete, etc.) using QUIKRETE® Polyurethane Construction Adhesive (#9902-10), nails or staples before pouring new concrete. The top of the expansion joint should be at the same level as the new concrete being placed. Pour concrete mix and finish.

Note: The expansion joint comes with a perforated tear off strip called a 'zip cap'. The 'zip cap' design allows the top of the expansion joint to be removed to provide space for a caulk bead. If caulking is not desired, install the expansion joint with the 'zip cap' on the bottom.



TABLE 1 TYPICAL PHYSICAL PROPERTIES

Recovery, ASTM D 545	98.6%
Extrusion, ASTM D 545	0.16" (4 mm)
Compressive Strength, ASTM D545	
Vertical Direction, Suffix D @ 50%	12.3 psi (84 kPa)
Compression Set, ASTM D 3575 (Suffix B)	16%
Tensile Stress, ASTM D 3575	44 psi (300 kPa)
Suffix T MD / CMD	26 psi (180 kPa)
Elongation, ASTM D 3575	79%
Suffix T MD / CMD	65%
Tear Resistance, ASTM D 3575	10 lb/in (0.18 kg/mm)
Suffix G MD / CMD	15 lb/in (0.27 kg/mm)
Density Range, ASTM D 3575	1.7 lb/ft3 (nominal)
Water Abs., ASTM D 3575 (Suffix L)	<0.1 lb/ft2 (<0.49 kg/m2)

WARRANTY

NOTICE: Obtain the applicable LIMITED WARRANTY: at www.quikrete.com/product-warranty or send a written request to The Quikrete Companies, LLC, Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of The Quikrete Companies, LLC. © 2018 Quikrete International, Inc.