



INSUL-JOINT™ EXPANSION JOINT

EXPANSION JOINTS

DIVISION

03300

1 PRODUCT NAME

PRODUCT NAME: Insul-Joint™ Expansion Joint Filler

2 MANUFACTURER

ISI BUILDING PRODUCTS

401 Truck Haven Road, East Peoria Illinois 61611
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3 PRODUCT DESCRIPTION

3.1 BASIC USE

Insul-Joint is a closed cell (non-crosslink) polyethylene expansion joint filler designed to prevent cracks and breaks during concrete expansion and contraction. Insul-Joint can be used in all standard concrete construction, such as floor slabs, driveways, sidewalks, parking garages, highways and runways.

3.2 COMPOSITION & MATERIALS

Insul-Joint is extruded from high quality closed cell polyethylene foam.

3.3 STANDARD SIZES

Insul-Joint is available in multiple heights ranging from ½" to up to 48" and thicknesses are available in ¼", ⅜" and ½". The ¼" rolls are 100' in length, while the ⅜" and ½" rolls are 50' in length.

3.4 WEIGHT

Approximately 2 lbs. per roll

4 TECHNICAL DATA

4.1 APPLICABLE STANDARDS

ASTM D 4819 Standard Specification for Flexible Cellular Materials Made From Polyolefin Plastics

ASTM D 545 Standard Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types)

ASTM D 3575 Standard Test Methods for Flexible Cellular Materials Made From Olefin Polymers

4.2 PHYSICAL PROPERTIES

Insul-Joint is an extruded closed cell polyethylene foam expansion joint material. The closed cell foam structure allows the material to resist water saturation and allows the material to give during concrete expansion and contraction.

5 INSTALLATION

5.1 PLACEMENT

Insul-Joint is available in multiple heights ranging from ½" to 48". The ½" peel-off top feature is included in the total height of the material in order to be installed flush with the height of the concrete slab.

Level and tamp or roll granular base as specified by your architectural or structural drawings.

Insul-Joint is positioned against the forms, at interrupting objects or columns and against abutting structures prior to the placement of concrete. Insul-Joint shall extend the full slab depth unless otherwise indicated.

Using the peel-off top feature, position Insul-Joint so the top is even with the surface of the concrete. Align, plumb and level Insul-Joint flush with adjacent surfaces. Fasten Insul-Joint to substrate using a spray adhesive or mechanical fasteners.

A minimum of twenty-eight days after slabs have been placed and finished, simply remove the peel-off top to expose the sealant cavity.

Sealant cavities shall be clean, dry and free from foreign debris. Fill cavity with approved sealant. The sealant depth is usually half the width of the joint. Minimum joint depths are often ¼" and the maximum depth for single-component sealants is ½". Refer to the sealant manufacturer's literature for more specific recommendations.

5.2 PROTECTION

No traffic shall be permitted to travel over sealed joints until sealing compound has properly cured.

Avoid storing Insul-Joint outside for extended periods of time.

These are very general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling our corporate office at 866.698.6562 or online at www.isibp.com.

6 AVAILABILITY AND COST

Insul-Joint is sold through construction supply houses across the United States and Canada.

Insul-Joint current cost information can be obtained by calling our corporate sales office at 866.698.6562.

7 WARRANTY

Warranty information can be obtained by calling our corporate office at 866.698.6562 or online at www.isibp.com.

8 MAINTENANCE

Requires no maintenance once installed.

9 TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling ISI Building Products toll free at 866.698.6562.

10 FILING SYSTEMS

Additional information can be obtained by calling our corporate office at 866.698.6562 or online at www.isibp.com.

PROPERTIES

TEST METHOD

RESULTS

THICKNESS (NOMINAL)	N/A	0.5 inch
WEIGHT (PER ROLL)	N/A	2 lbs
CLASSIFICATION	ASTM D 4819	TYPE II
RECOVERY	ASTM D 545	98.6%
EXTRUSION	ASTM D 545	0.16 inches
COMPRESSIVE STRENGTH VERTICAL DIRECTION	ASTM D 545 SUFFIX D @ 50%	12.3 PSI
COMPRESSION SET	ASTM D 3575-00 SUFFIX B	16%
TENSILE STRESS	ASTM D 3575-00 SUFFIX T MD/CMD	44 PSI 26 PSI
ELONGATION	ASTM D 3575-00 SUFFIX T MD/CMD	79% 65%
TEAR RESISTANCE	ASTM D 3575-00 SUFFIX G MD/CMD	10 lb/in 15 lb/in
DENSITY RANGE	ASTM D 3575-00	1.7 lb/ft ³ (NOMINAL)
WATER ABSORPTION	ASTM D 3575-00 SUFFIX L	<0.1 lb/ft ²

MEETS APPLICATION REQUIREMENTS OF ASTM D 4819 TYPE II AND ASTM D 3575

NOTE:

TO THE BEST OF OUR KNOWLEDGE, THE SPECIFICATION CHART LISTS TYPICAL PROPERTY VALUES AND ARE INTENDED AS GUIDES ONLY, NOT AS SPECIFICATION LIMITS. ISI BUILDING PRODUCTS MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, NO GUARANTEE OF SATISFACTORY RESULTS FROM RELIANCE UPON CONTAINED INFORMATION OR RECOMMENDATIONS AND DISCLAIMS ALL LIABILITY FOR RESULTING LOSS OR DAMAGE.

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