



MM[®] ABC Series Expansion Joint

Armored-Strip Bolt-down Cover System

DESCRIPTION

Armored-Strip Bolt-down Covered Membrane System (ABC Series) is a waterproof expansion joint system with impact absorbing elastomeric concrete that bonds a heavy-duty aluminum frame with a bolt-down flange directly to the concrete deck. The protective slide plate cover is available in various metal types and thickness protecting the continuous Elastoprene[®] rubber seal. A fabric reinforced rubber gutter provides secondary water containment.

BASIC USE

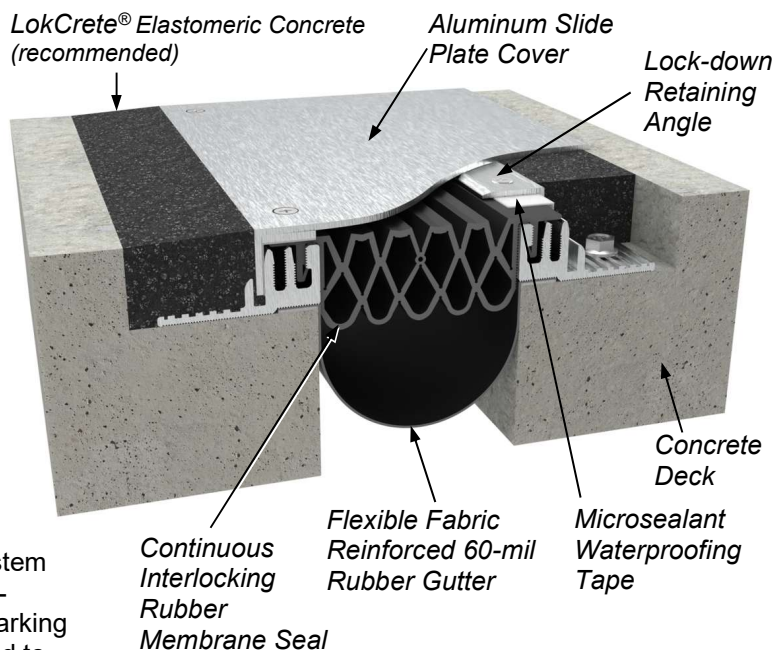
ABC is a watertight membrane sealing system with a slide plate cover designed for traffic-bearing expansion joints in plaza decks, parking structures, and open-air structures exposed to extreme weather conditions.

FEATURES

- Continuous locking Elastoprene[®] rubber seal secured with a lock-down retaining angle.
- Secondary rubber gutter for added waterproofing protection.
- Bolt in place heavy-duty aluminum frame becomes integral with the concrete deck.
- LokCrete[®] - hard, elastic, abrasion resistant embed material that flexes with deck loads.
- Exceptionally durable under vehicular traffic loads and extreme weather conditions.
- ADA compliant slide plate cover provides pedestrian friendly walking surface.
- Seal profile splices can be heat or chemically welded. Factory transitions are available.

SPECIAL FEATURES

- Third Party Licensed PE Load Rating Analysis – available for independent load capacity analysis (fees may apply).
- Fire Barriers - MM expansion joint systems are available with 2- to-3 hour fire protection ratings.



SLIP-RESISTANT COVER PLATE

The slip-resistance is enhanced through an optional brush finish surface treatment which complies with safe walking surfaces as set forth by the Americans with Disabilities Guidelines for Buildings and Facilities.

PACKAGING & STORAGE

Aluminum Covers & Frames supplied in 10-foot lengths shipped on wooden pallets. Accessories packaged in cardboard cartons. Store in a cool, dry location 60-80°F (15-27°C).

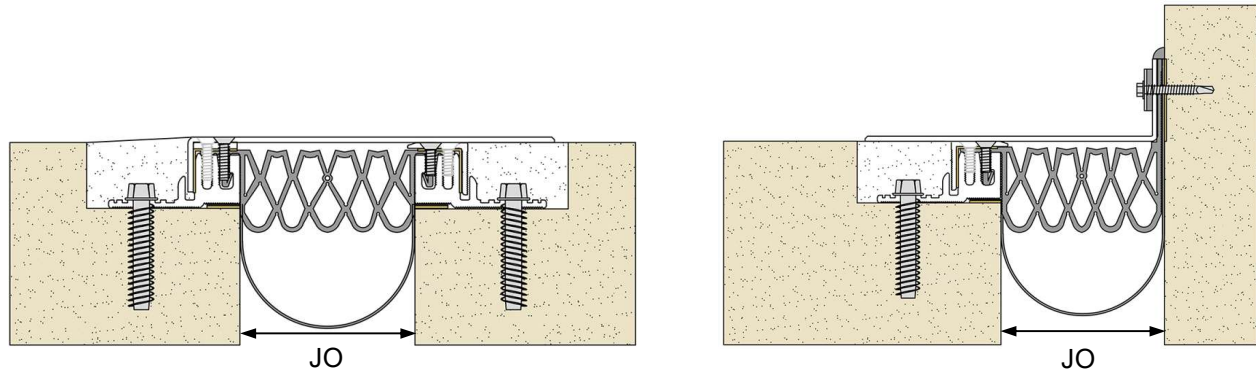
PRECAUTIONS

Use protective goggles and gloves. Read and follow labels and Safety Data Sheets.

LIMITATIONS

- Concrete substrates must be level from side to side, properly finished, and provide sound substrate.
- Finished floor surfaces must be flat and have identical elevations on adjacent sides.
- Take special precautions with snow removal equipment.
- Lokcrete Installation temperature must be 40°F and rising and 5° F above dew point. Maximum allowable concrete moisture content is 5%.

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ABC Series (Deck-to-Deck)

ABC-C Series (Deck-to-Wall)

Nominal openings from 1-to-4 inches ■ Expansion & Contraction $\pm 50\%$ to $\pm 100\%$ ■ Custom end-wall terminations available
(Contact MM Systems for custom sizes, designs, and economy wall mount)

JO – Joint Openings shown on contract drawings are normally calculated as a nominal dimension when the concrete floor temperature (not ambient air temperature) is at 65 degrees Fahrenheit. Joint opening dimensions may vary as the deck temperature changes during construction. Typically, as the deck temperature decreases, concrete decks shrink subsequently enlarging or widening the concrete joint openings. Likewise, as the deck temperature increases, concrete decks expand subsequently, narrowing or closing the concrete joint openings. This information should be reviewed at the concrete pre-pour meeting. Once the building is climatized the amount of joint opening deviation will be minimized.

Confirm Joint Opening Dimension: Prior to installing any expansion joint system always confirm that the size system supplied will accommodate both the minimum and maximum joint width. Refer to MM Systems product drawings and the project specific contract drawings. Too often the concrete is poured without adjustment resulting in larger than anticipated joint openings. Not knowing the actual expected minimum and maximum joint opening could result in product failure or a costly replacement order if it is not properly sized.

INSTALLATION

- 1) Ensure the structural joint opening width has been adjusted. Consult with engineer of record for adjustment table.
- 2) Remove and repair all unsound concrete. Repair with approved structural patching material.
- 3) Finished concrete surfaces must be flat and have identical elevations on adjacent sides.
- 4) Uncoil seal and allow it to relax in the sun for as long as possible before installation.
- 5) Secure aluminum base frame to deck with wedge anchors.
- 6) Install retaining angle and retaining bar over wing (flap) of seal and attach slide plate cover to base frame.
- 7) LokCrete (recommended) - Mix part A, B & C components per instructions, place into blockout and trowel finish to specified elevation.
- 8) Locate ABC Install Guide and install per for detailed step-by-step instructions.

LIMITED WARRANTY

MM Systems warrants the ABC Expansion Joint System to be free of defects in material and conform to technical data listed. We make no warranty as to color or appearance. Since methods of application can affect performance and onsite conditions are beyond our control, MM Systems makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. MM Systems' sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of system proved to be defective. In no event shall MM Systems be liable for any special, incidental, consequential, loss of profits or punitive damages. Other warranties may be available when installed by an MM Systems Certified Contractor.

*MM Systems reserves the right to amend or withdraw information contained herein, without notice, and will not be liable for any inaccuracy or ambiguity of said information.
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