



MM[®] AFP Series Expansion Joint

Aluminum Floor Plate Cover System

DESCRIPTION

The AFP Series is an economy cover designed for interior floor expansion joint openings with a low profile cover plate that resides on the top of floor covering material. The aluminum cover has a slip-resistant serrated profile for nominal joint openings ranging from 1 to 4 inches. Larger sizes are available based on load bearing calculations. Available with optional Tri-Block Moisture Barrier and PyroFlex[®] Fire Barrier which provides a total integrated waterproofing and life safety system.

BASIC USE

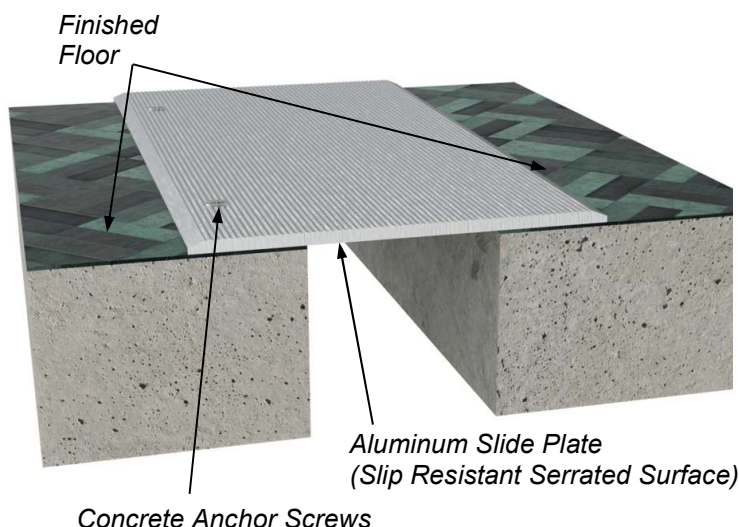
AFP is a pedestrian friendly economy expansion joint cover for building interiors where surface mount cover plates are acceptable.

FEATURES

- Complies with ADA guidelines. Contact MM for best in class hinged covers.
- For joints ranging from 1 to 4 inches with multi-directional movement capability.
- For wider joints ranging from 9 to 18 inches refer to STC Series Expansion Joint System.
- Narrow sight line durable cover design.
- Optional integral reinforced Tri-Block Moisture Barrier available in all sizes.

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.
- Insulated Vapor Barrier (IVB) - available for projects requiring environmental protection - available thermal values of R19, R25, and R30.



HINGED COVER UPGRADE

Consider upgrading to the Hinged Floor Plate (HFP Series) with an integral hinge assembly that accommodates floor-to-floor load deflections for best-in-class longevity.

SLIP-RESISTANT COVER PLATE

The slip-resistant serrated aluminum cover complies with safe walking surfaces as set forth by the Americans with Disabilities Guidelines for Buildings and Facilities.

PACKAGING & STORAGE

Aluminum extrusion 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).

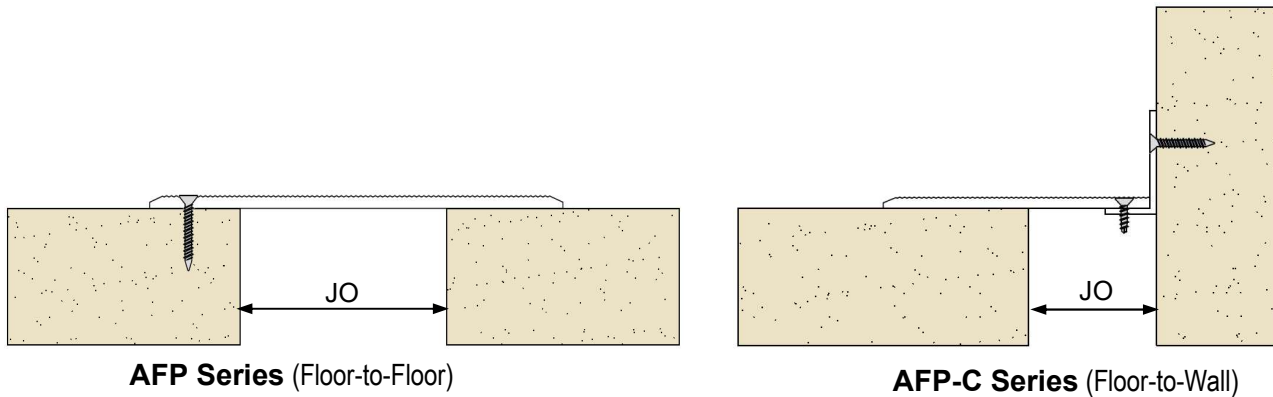
PRECAUTIONS

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.

MM[®] AFP Series Expansion Joint



For 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 floor temperature changes during construction. Typically, as the floor temperature decreases, concrete floors shrink subsequently enlarging or widening the concrete joint openings. Likewise, as the floor temperature increases, concrete floors 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 floor surfaces must be flat and have identical elevations on adjacent sides.
- 4) Use AFP cover plate as template to mark and drill anchor holes. Install and secure with concrete anchors.
- 5) Install slide plate covers. And secure with concrete anchors
- 6) Refer to the AFP Installation Guideline for detailed step-by-step instructions.

LIMITED WARRANTY

MM Systems warrants the AFP 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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Spec Data