



MM[®] PDS Series Expansion Joint

Pan-style Displaceable Seismic Cover

DESCRIPTION

The PDS Series is a heavy duty horizontal expansion joint system for climate controlled environments. The nearly invisible recessed "no-bump" seismic slide pan provides flush and smooth floor-to-floor transition. The narrow thermal gap facilitates thermal movement while the angled seismic sidewalls of the engineered pan allow it to displace upward during a seismic event. Available with optional Tri-Block Moisture Barrier and PYRO-FLEX[®] Fire Barrier which provides a total integrated waterproofing and life-safety system.

BASIC USE

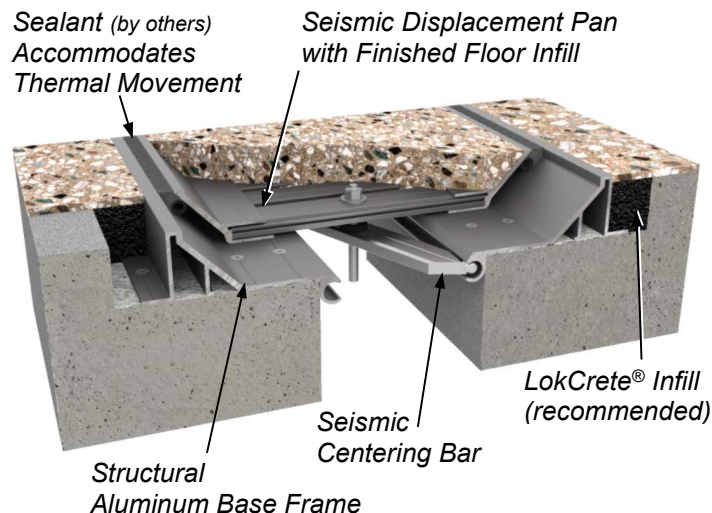
The PDS Series can accommodate most flooring materials and high concentrated load service conditions in airports, hospitals, transportation centers, and other structures requiring seismic movement capability.

FEATURES

- Pedestrian friendly and ADA compliant.
- Recessed "no-bump" deep cavity pan provides flush floor-to-floor transition.
- Ideal for sensitive equipment, hospital gurneys, and other no-bump environments.
- Variable recess depth design facilitates a variety of floor finishes including terrazzo, ceramic tile, pavers, and such.
- Multi-directional seismic movement capability.
- Structural aluminum base members with interlocking frames are designed to ensure proper alignment.
- 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).
- Impact absorbing LokCrete[®] Elastomeric Infill provides superior support for flooring materials.
- Structural modular waffle pan bottom support plate accommodates heavy loads and custom width designs.



TECHNICAL MATERIAL DATA

Custom aluminum extrusions supplied in 10-foot lengths conforming to one or more of the following: 6063-T5,T6; 6061 T5,T6, ASTM B221.

LIFE SAFETY COMPLIANCE

Complies with the following codes when installed with optional 2-3 hour rated PYRO-FLEX[®] Fire Barriers.

- International Building Code
- UL 2079
- ASTM E1966
- ASTM E1399

STORAGE

Store in a cool, dry location 60-80°F (15-27°C).

PACKAGING

Aluminum extrusions shipped in 10-foot lengths on wooden pallets.

PRECAUTIONS

Read and follow labels and Safety Data Sheets.

LIMITATIONS

- Concrete blockouts must be properly formed, finished, and provide sound substrate.
- Finished floor surfaces must be flat and have identical elevations on adjacent sides.
- Adjacent construction must have fire-resistive ratings equal to or greater than the rating of the fire barrier systems (if required).

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MOVEMENT CAPABILITIES

Capable of thermal expansion, contraction, lateral shear, and multi-directional seismic movement.

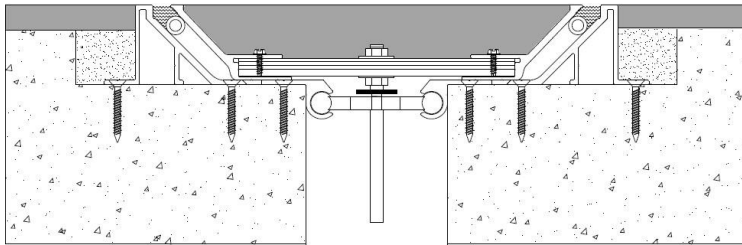
Structural Joint Sizes: 4" to 24" (51mm – 203mm) Contact MM Systems for additional sizes and custom designs.

Expansion / Contraction: $\pm 50\%$ to $\pm 100\%$

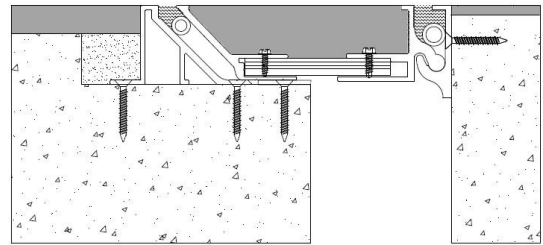
Lateral Shear: $\pm 50\%$ to $\pm 100\%$ plus custom shear designs to accommodate end-wall terminations.

Performance: ASTM E1399

Load Capacity: Pedestrian, Floor Cleaning Equipment, Gurneys, High Point Load Equipment, etc.



PDS Series (Floor-to-Floor)



PDS-E Series (Floor-to-Existing)

Confirm Joint Opening Dimension: Prior to installing any expansion joint system, always confirm that the system size selected 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.

LIMITED WARRANTY

MM Systems warrants the PDS Series 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 a MM Certified Contractor.

INSTALLATION

- 1) Remove and repair all unsound concrete in and around the blockout. All spalls must be repaired with compatible patching material.
- 2) Substrate must be clean and dry prior to installation of optional LokCrete[®] elastomeric impact absorbing filler.
- 3) Place and secure base member with concrete anchors.
- 4) Level to match finished floor surface.
- 5) Mask-off top of top of PDS expansion joint assembly.
- 6) Backfill base frame blockout pocket with structural grout or LokCrete[®] (recommended) up to the height of the base frame or to finished flooring thickness.
- 7) Refer to PDS Install Guideline for detailed step-by-step instructions.

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