



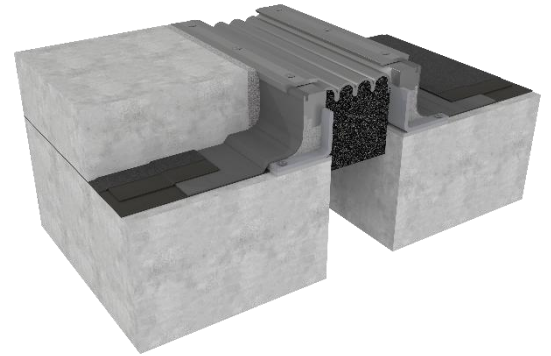
TECHNICAL DATA SHEET

WILLSEAL® MSS

Mechanical Split Slab with Foam Expansion
Joint for Split-Slab Construction

PRODUCT DESCRIPTION

Willseal® MSS is a combined mechanical plus precompressed foam expansion joint solution for split-slab construction. This mechanical split-slab expansion joint features a watertight foam core with a factory-applied sealant facer, mated to a metal and rubber wing subassembly that maintains continuity with split-slab waterproofing systems.



BASIC USES

Willseal MSS is designed as a waterproof, traffic-bearing expansion joint specifically for split-slab applications; including slab-to-slab and slab-to-wall conditions and columns. It can be successfully utilized in both restoration and new-construction scenarios. This product is recommended for use in the following typical applications, where a waterproof, mechanical split-slab solution is required:

- Parking garages
- Plaza decks
- Podium decks
- Pedestrian bridges
- Concourses
- Sidewalk areas

FEATURES & BENEFITS

Willseal MSS is ideal for joints that extend through both topping and structural slabs and require a high movement, traffic rated, waterproof solution. This is achieved by a combination of technologies working in concert to ensure long-term service life and waterproof performance. The heart of the system is Willseal 250, a fully monolithic, $\pm 50\%$ movement precompressed, acrylic-impregnated hydrophobic foam expansion joint. Willseal MSS is further enhanced through the use of a factory applied, traffic rated, fuel-resistant sealant facer that ensures complete waterproofing connectivity with the adjacent split-slab deck coating system.

- Willseal 250 is available in a wide array of common transitions and intersections, including vertical and horizontal changes in direction and/or plane, as well as intersections commonly found in split-slab waterproofing projects
- Willseal MSS inside and outside corner rubber tie-in wings are factory-made, eliminating any potential field-fabrication errors
- Willseal MSS “L”, “T”, “X”, and “Z” transitions are factory-made, eliminating any potential field-fabrication errors

The integrity and continuity of the split-slab waterproofing membrane is maintained via the use of integral rubber tie-in wings, ensuring the leak-free protection of the structural slab portion of the system. Willseal MSS utilizes a versatile design that has been optimized for use in numerous interface conditions, including slab-to-slab, slab-to-wall, slab-to-column, and other common terminations. This system is capable of industry-leading return-to-service cycles through the use of TREMPROOF PUMA in strategic locations when compared to more traditional epoxy or mortar-based competitive products.

Willseal MSS is proudly manufactured and assembled in the USA using domestic and imported components. All required items (including the foam expansion joint, expansion joint accessories, and concrete anchors) arrive to the job site kitted and labeled for a smooth, worry-free installation.

AVAILABILITY

Willseal MSS is available as part of a system including a Willseal foam expansion joint, from your authorized Tremco or Willseal Sales Representative, Tremco or Willseal Distributor or Warehouse. Willseal MSS comes in 3", 4", or 5" heights as a standard. Contact Tremco/Willseal Technical Services with questions regarding any nonstandard sizing.

Model Number	Suitable for Joint Size		
	Minimum	Nominal	Maximum
MSS-100	0.5 in (13 mm)	1.0 in (25 mm)	1.5 in (38 mm)
MSS-200	1.0 in (25 mm)	2.0 in (51 mm)	3.0 in (76 mm)
MSS-300	1.5 in (38 mm)	3.0 in (76 mm)	4.5 in (114 mm)
MSS-400	2.0 in (51 mm)	4.0 in (102 mm)	6.0 in (152 mm)

For more information contact Customer Service by phone at 800-274-2813 or email custserv@willseal.com.

COMPOSITION

Willseal MSS is comprised of several components which vary in composition. Materials include extruded aluminum (mill finish), mild-steel (red oxide coated), rubber (black), foam (dark grey), and sealant (color varies depending on project).

LIMITATIONS

Concrete must be properly formed, finished, and be of sound condition. Willseal MSS is not intended for high-speed vehicular traffic (hard-wheeled, solid rubber pneumatic, or otherwise). Willseal MSS and its accessory components are not recommended for use with asphalt topping slabs. All components of the system must be stored in a dry location.

WARRANTY

A repair or replacement warranty is available on all Willseal products. Visit <https://www.tremcosealants.com/warranties/> for details.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Willseal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

WMSS-DS/0826



Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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