



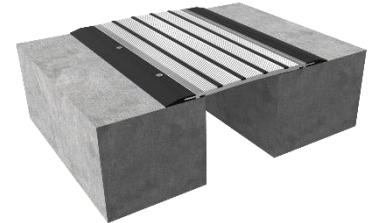
# TECHNICAL DATA SHEET

# WILLSEAL PROTECTOR PLATE™ – FLEX

Cover Plate System for Expansion Joints in High Volume Traffic Areas, Slab-to-Slab

## PRODUCT DESCRIPTION

The Willseal Protector Plate™ – Flex is designed for covering expansion joint openings in high volume pedestrian and vehicular traffic areas. Willseal Protector Plate – Flex can accommodate vertical offsets in opposing concrete decks and multi-directional seismic movement. The heavy-duty aluminum safety cover incorporates two mechanical hinges with integral rubber nosing pads that flex independently in response to changes in vertical displacement. The cover is anchored to the high side thus providing a safe and smooth transition between uneven concrete surfaces.



## BASIC USES

Willseal Protector Plate – Flex is a traffic bearing expansion joint safety cover for concrete decks that deflect due to vehicular traffic loads and can be used to compensate for settlement, that has or may occur, between concrete surfaces. Willseal Protector Plate – Flex is recommended for use in the following applications and other similar structures:

- Parking garages or areas with low-speed vehicular traffic
- Plaza decks, pedestrian bridges, concourses, and sidewalk areas
- Stadiums

## FEATURES & BENEFITS

Willseal Protector Plate – Flex is ideal for covering expansion joint openings with recessed joint systems or fillers, particularly in high traffic pedestrian areas.

- Rated for low-speed vehicular traffic
- Provides a smooth transition between uneven surfaces

The heavy-duty convex aluminum cover of Willseal Protector Plate – Flex allows accommodation for greater vertical offsets in concrete decks. The Safety Cover also provides impact and sound dampening to the system with its rubber impact damping nosing pads that flex independently.

Willseal Protector Plate – Flex is designed to comply with all ADA guidelines. The aluminum frame incorporates integral, raised slip-resistant safety strips to maximize traction and ensure pedestrian safety.

## AVAILABILITY

Willseal Protector Plate – Flex is available as part of a system including a Willseal foam expansion joint with varying degrees of movement, from your authorized Tremco or Willseal Sales Representative, Tremco or Willseal distributor or warehouse. The table below references the typical physical properties of the cover plate. For questions about joint behavior or the proper expansion joint material to use, please contact Willseal Technical Service.

For Slab-to-Slab Applications:

Model Number	Nominal Joint Opening	Plate Width	Movement	
			Minimum	Maximum
FLX-450	1.0, 2.0, or 3.0 in (25, 51, or 76 mm)	13.0 in (330 mm)	0.0 in (0 mm)	4.5 in (114 mm)
FLX-850	4.0 or 5.0 in (102 or 127 mm)	17.0 in (432 mm)	0.0 in (0 mm)	8.5 in (203 mm)
FLX-1000	6.0 in (152 mm)	18.5 in (470 mm)	0.0 in (0 mm)	9.0 in (229 mm)
FLX-1200	7.0 in (178 mm)	20.5 in (521 mm)	0.0 in (0 mm)	10.5 in (267 mm)
FLX-1200	8.0 in (203 mm)	20.5 in (521 mm)	0.0 in (0 mm)	13.0 in (330 mm)

For more information contact Customer Service by phone at 800-274-2813 or email [custserv@willseal.com](mailto:custserv@willseal.com).

---

## COLORS

Willseal Protector Plate – Flex is aluminum.

---

## LIMITATIONS

Concrete must be properly formed, finished, and have sound substrate prior to application. All components of the system must be stored in a dry location.

Joints located in turning lanes or exposed to heavy traffic must be engineered for greater impact loads. All  $\pm 50\%$  movement joints require approval. Contact Tremco or Willseal Technical Services for additional information.

---

## 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](http://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.

WPP-FSS/0323

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.



tremcosealants.com  
800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | [tremcocpg.com](http://tremcocpg.com)