



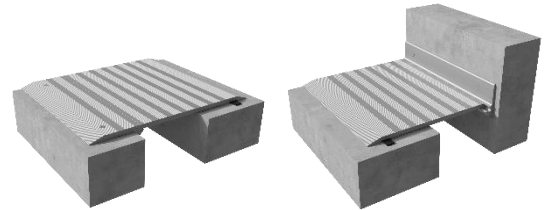
TECHNICAL DATA SHEET

WILLSEAL PROTECTOR PLATE™ – HINGED

Cover Plate System for Expansion Joints without Conventional Block-Outs

PRODUCT DESCRIPTION

The Willseal Protector Plate™ – Hinged is designed for expansion joint openings without conventional block-outs. This series can accommodate slight vertical offsets in opposing concrete decks and multi-directional seismic movement. The surface mounted hinged anchor frame provides support for the adjustable Protector Plate that incorporates an integral impact and sound damper. Willseal Protector Plate – Hinged is available in slab-to-slab and slab-to-wall configurations to accommodate different joint types.



BASIC USES

Willseal Protector Plate – Hinged is a traffic bearing cover plate for expansion joints in areas that require compensation for settlement, that has or may occur, in the concrete deck and for decks that deflect due to vehicular traffic loads. Willseal Protector Plate – Hinged 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

FEATURES & BENEFITS

Willseal Protector Plate – Hinged is ideal for joints with slight vertical offsets in opposing concrete decks or that experience deflection caused by pedestrian or occasional light vehicular traffic. This series performs exceptionally well in high traffic pedestrian areas.

- When used with Willseal Willcrete nosing material, the system will reduce water intrusion due to the hard, elastic, gap filler that bonds the aluminum frame securely to the concrete deck
- Can be incorporated into a fire barrier when combined with a fire-rated Willseal expansion joint system (available with 1 to 3 hour fire protection ratings)
- Block-out free design is ideal for both retrofit and new construction

The heavy-duty aluminum anchor frames with their interlocking design featured in Willseal Protector Plate – Hinged ensure proper alignment and functionality. The Protector Plate also provides impact and sound dampening enhancements to the system. Willseal Protector Plate – Hinged is designed to comply with all ADA guidelines. The aluminum frame incorporates a raised pattern, slip-resistant surface profile for maximum traction and pedestrian safety.

AVAILABILITY

Willseal Protector Plate – Hinged 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 tables 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	Suitable for Joint Size			System Width	Plate Thickness
	Minimum	Nominal	Maximum		
HNG-400	1.0 in (25 mm)	4.0 in (102 mm)	6.0 in (152 mm)	11.48 in (287 mm)	0.375 in (10 mm)
HNG-600	1.0 in (25 mm)	6.0 in (152 mm)	9.0 in (229 mm)	15.48 in (387 mm)	0.375 in (10 mm)
HNG-800	1.0 in (25 mm)	8.0 in (203 mm)	12.0 in (305 mm)	17.48 in (437 mm)	0.375 in (10 mm)

For Slab-to-Wall Applications:

Model Number	Suitable for Joint Size			System Width	Plate Thickness
	Minimum	Nominal	Maximum		
HNG-W-400	1.0 in (25 mm)	4.0 in (102 mm)	6.0 in (152 mm)	7.67 in (191.8 mm)	0.375 in (10 mm)
HNG-W-600	1.0 in (25 mm)	6.0 in (152 mm)	9.0 in (229 mm)	11.67 in (291.8 mm)	0.375 in (10 mm)
HNG-W-800	1.0 in (25 mm)	8.0 in (203 mm)	12.0 in (305 mm)	13.67 in (341.8 mm)	0.375 in (10 mm)

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

COMPOSITION

Willseal Protector Plate – Hinged is aluminum.

LIMITATIONS

Concrete must be properly formed, finished, and have sound substrate. Willseal Protector Plate – Hinged is not intended for repeated vehicular traffic (hard-wheeled, pneumatic, or otherwise). Joints located in turning lanes or exposed to heavy wheeled traffic must be engineered for greater impact loads, contact Tremco or Willseal Technical Services for additional information.

All components of the system must be stored in a dry location. Please refer to the Willseal Protector Plate – Hinged Application Instructions published on Tremco’s website for additional information on anchoring into substrates other than fully-cured concrete.

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.



WPP-HSS/1025

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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