



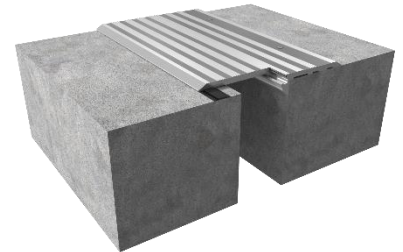
TECHNICAL DATA SHEET

WILLSEAL PROTECTOR PLATE™ – HINGED

Cover Plate System for Expansion Joints
without Conventional Block-outs, Slab-to-Slab

PRODUCT DESCRIPTION

The Willseal Protector Plate™ – Hinged is designed for expansion joint openings without conventional block-outs. This series can accommodate vertical offsets in opposing concrete decks and multi-directional seismic movement. The surface mounted hinged anchor frame provides support for the adjustable safety cover that incorporates an integral impact and sound damper. The optional flexible fabric reinforced rubber gutter is bonded to the concrete with a microsealant tape enhancing the system's waterproofing capability.



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 vertical offsets in opposing concrete decks or with deflection caused by vehicular traffic. This series performs exceptionally well in high traffic pedestrian areas.

- When used with the Willseal Nosing Compound, 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 systems (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 insure proper alignment and functionality. The Safety Cover also provides impact and sound dampening 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 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	Suitable for Joint Size			System Width	Plate Thickness
	Minimum	Nominal	Maximum		
HNG-200	1.0 in (25 mm)	2.0 in (51 mm)	3.0 in (76 mm)	8.625 in (219 mm)	0.375 in (10 mm)
HNG-400	1.0 in (25 mm)	4.0 in (102 mm)	6.0 in (152 mm)	11.75 in (298 mm)	0.375 in (10 mm)
HNG-600	1.0 in (25 mm)	6.0 in (152 mm)	9.0 in (229 mm)	14.75 in (375 mm)	0.375 in (10 mm)
HNG-800	1.0 in (25 mm)	8.0 in (203 mm)	12.0 in (305 mm)	17.75 in (451 mm)	0.375 in (10 mm)
HNG-1000	1.0 in (25 mm)	10.0 in (254 mm)	15.0 in (381 mm)	20.75 in (527 mm)	0.375 in (10 mm)
HNG-1200	1.0 in (25 mm)	12.0 in (305 mm)	18.0 in (457 mm)	24.75 in (629 mm)	0.500 in (13 mm)

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

COLORS

Willseal Protector Plate – Hinged is aluminum.

LIMITATIONS

Concrete must be properly formed, finished, and have sound substrate. Joints located in turning lanes or exposed to heavy 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.

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/0323

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