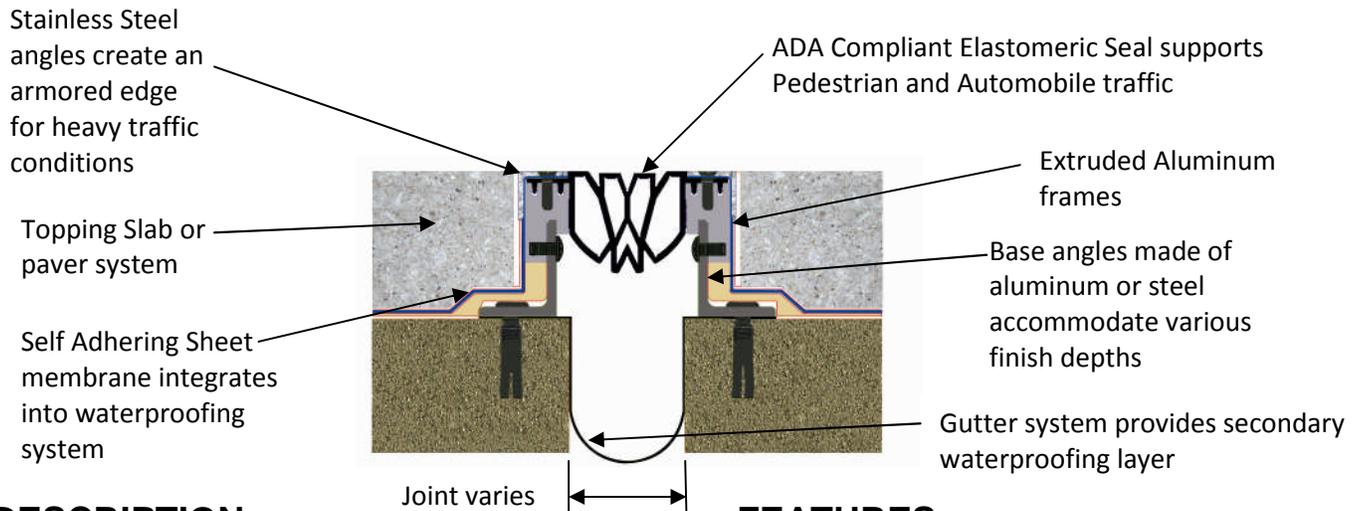


Architectural Art Mfg.
A division of Pittcon Architectural Metals, LLC

TECH DATA SHEET

WTS Series

Topping Slab Joint Cover System



DESCRIPTION:

The WTS Series is designed for 2" (51mm) to 4" (102mm) joint openings. Different height base angles made of aluminum or steel provide options to accommodate various topping slabs or pavers. The extruded aluminum frame is the connecting point for base angles, seal and stainless steel armored edges. Cover plates can be added to the surface of the system for additional load bearing capabilities. Waterproofing layers such as hot mopped systems can easily be integrated with the self adhering sheet membranes to create a seamless waterproof system. A secondary Gutter system provides extra protection below the primary elastomeric seal.

TYPICAL APPLICATIONS:

The WTS system is designed to be used in car parking structures, Plazas and open air structures. The variable height angles work well within areas that feature thick pavers or finish slabs on top of structural concrete slabs.

FEATURES:

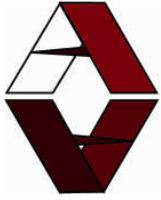
- ADA Compliant elastomeric seal allows thermal joint movement and vertical displacement of 1/2".
- Stainless Steel armored edge angles.
- Heavy duty base extrusions connect to various height angles made of aluminum or steel.
- Waterproofing – Self Adhering sheet membranes provide additional protection below the primary elastomeric seal.
- Concrete anchors secure the system to the structural concrete base.

PACKAGING:

- Expansion joint aluminum components are shipped in standard 10' (3.05 meter) lengths.
- All materials and components are packaged in manufacturer's standard packaging.
- Elastomeric seals shipped in continuous lengths.

PHYSICAL PROPERTIES:

- **Aluminum Extrusions:** Conform to ASTM B221, for alloys 6061-T6, Exposed Finish: Mill.
- **Elastomeric Seal:** Conform to ASTM D412 Santoprene 591-65A



WTS SERIES

Tech Data Sheet - Continued

SELECTION GUIDE:

WHB SERIES - SELECTION GUIDE										
DESIGNATION	JOINT OPENING						TOTAL MOVEMENT		OVERALL NOM WIDTH	
	MINIMUM		NOMINAL		MAXIMUM					
W20-TS-SA	0.5	13	2.0	50	3.0	75	2.5	63	5.75	146
W30-TS-SA	1.5	38	3.0	76	4.0	102	2.5	63	5.75	146
W40-TS-SA	2.5	68	4.0	102	5.0	127	2.5	63	5.75	146

Bold numbers are in inches. Others are millimeters. Joint system is evenly distributed over expansion joint opening.

INSTALLATION:

- 1) Determine height of topping slab and make a proper selection of base angles.
- 2) Install the self adhering sheet membrane to the concrete slab with enough drape in the joint to accommodate required movements.
- 3) Attach base angles to the aluminum frame thread chases with the fasteners provided.
- 4) Attach elastomeric seal into to aluminum frames.
- 5) Apply Self Adhering edge membrane strips over elastomeric seal and aluminum base frames.
- 6) Attach stainless steel edge angles to the aluminum frames at countersunk hole locations.
- 7) Install the system to the topping slab by match drilling the concrete to the base angle hole locations.
- 8) Apply waterproofing system to structural slab and on the surface and edges of the base angles.
- 9) Pour the topping slab allowing minimum 1/8" gab between the topping and stainless steel edge angles.
- 10) Fill 1/8" gap with sealant like NP1 by Sonneborn or Sikaflex®.
- 11) Refer to the WTS installation guidelines for detailed step-by-step instructions.

Limited Warranty

Architectural Art Mfg., Division of Pittcon Architectural Metals, LLC, warrants to its purchaser that all its products will be free of material or manufacturing defects for one (1) year. Extended warranties may be included as required and agreed to by Pittcon Architectural Metals, LLC. Any claim brought to the attention of Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, by the customer in writing; within one year of substantial completion will be examined.

If the product has failed under the terms of the warranty, it will be replaced or repaired free of charge. Architectural Art Mfg., a division of Pittcon Architectural Metals, LLC, will not be responsible for installation costs involved in such replacement or repair, consequential or other damages of any nature. This is in lieu of all other warranties expressed or implied and is the sole warranty extended.

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