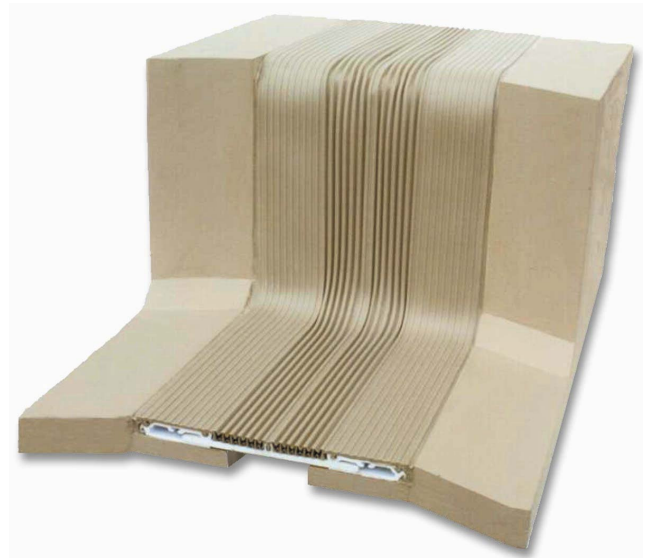


# Wabo®StadiaFlex

Tread and Riser Expansion Joint System

Features	Benefits
<ul style="list-style-type: none"> <li>Epoxy bonded</li> </ul>	Does not require conventional intrusive anchoring mechanism.
<ul style="list-style-type: none"> <li>UV and abrasion resistant</li> </ul>	System not susceptible to chemical breakdown due to exposure to environmental conditions.
<ul style="list-style-type: none"> <li>Flush, non slip surface</li> </ul>	Eliminates potential trip hazards
<ul style="list-style-type: none"> <li>Low profile</li> </ul>	System accommodates ¾" blockouts and stair profile changes
<ul style="list-style-type: none"> <li>Easy maintenance</li> </ul>	System can be occasionally checked and pressure washed for long lasting system performance.



## RECOMMENDED FOR:

- New construction or rehabilitation where water tightness is needed.
- Any expansion joint system that requires secondary moisture protection.
- Extending service life of failing expansion joint systems.

## DESCRIPTION:

Wabo®StadiaFlex is a patented expansion joint system for pedestrian traffic areas, specially designed for tread and riser applications. The system's high strength polymer base members, which have a thermal expansion similar to that of concrete, allow for the system to be epoxy bonded into place. The continuous watertight membrane seal offers high abrasion and UV resistance with its flush, non-slip, ribbed surface.

## PACKAGING/COVERAGE:

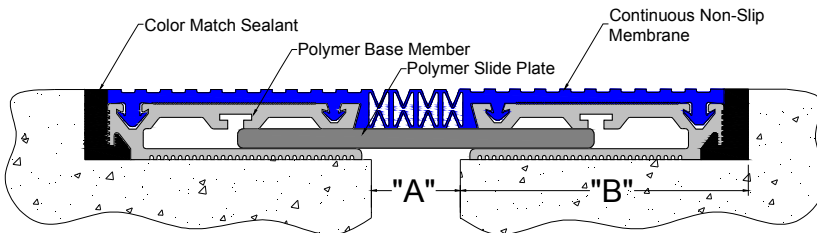
- Shipped in a carton on a pallet
- Aluminum mounting plate packaged on a wood pallet.



**TECHNICAL DATA:**

**Design Information:**

WaboStadiaFlex is composed of thermoplastic components, epoxies, and urethane sealants. The standard system has been designed to accommodate concrete substrates, however, can be easily adapted to bond to almost any substrate. Contact WBA for more details.



**Note: see product sales drawings for additional details**

**Model SDF**

**Movement Table**

Model Number	Joint Opening "A"						Width "B"	
	Min.		Max.		Total			
	in	mm	in	mm	in	mm	in	mm
SDF-200	0.75	19	3.38	86	2.63	67	3.563	90
SDF-300	1.00	25	5.00	127	4.00	102	3.500	89
SDF-400	2.00	51	6.00	152	4.00	102	3.000	76
SDF-200C	4.56	116	7.19	183	2.63	67	3.563	90
SDF-300C	4.75	121	8.75	222	4.00	102	3.500	89
SDF-400C	4.75	121	8.75	222	4.00	102	3.500	89

**Physical Properties (Thermoplastic Polymer)**

PROPERTY	ASTM TEST METHOD	REQUIREMENTS
Specific Gravity	D-792	1.5
Flammability Classification	UL-94	V-0 @0.0125 in
Tensile Yield Strength	D-638	6,600 psi
Tensile Modulus	D-638	690,000 psi
Flexural Strength	D-790	12,200 psi
Flexural Modulus	D-790	700,000 psi
Notched Izod (23°C)	D-256	2.1 ft-lbs/in
Gardener Impact	D-4226	2.5 in-lbs/mil
Shore D Hardness	D-2240	80
Heat Deflection @264psi	D-638	165°F (74°C)
Coefficient of Thermal Exp.	D-696	2.7x10 <sup>-5</sup> in/in-F



## APPLICATION

### Installation Summary:

- Protect all expansion joint component parts from damage during installation.
- Blockouts must be properly formed and prepared.
- Expansion joint systems should be set to the proper width for the ambient temperature at the time of installation.
- Refer to WBA installation procedure for additional information.

### For Best Results:

- Install when concrete substrate is clean, sound, dry, and cured (14 day minimum).
- Do not install if the joint's anticipated movement will exceed the system's movement range.
- Minimize splice points by installing membrane in longest possible continuous lengths.
- Do not allow any of the components to freeze prior to installation. Store all components out of direct sunlight in a clean, dry location between 50°F and 90°F.
- Periodically inspect the applied material and repair localized areas as needed. Consult a Watson Bowman Acme representative for additional information.
- Make certain the most current version of the product data sheet is being used. Please consult the website ([www.wbacorp.com](http://www.wbacorp.com)) or contact a customer service representative.
- Proper application is the responsibility of the user. Field visits by Watson Bowman Acme personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

### Related Documents:

- Material Safety Data Sheets
- Wabo®StadiaFlex Specification
- Wabo®StadiaFlex Sales Drawings
- Wabo®StadiaFlex Installation Procedure



**LIMITED WARRANTY:**

Watson Bowman Acme warrants that this product conforms to its current applicable specifications. WATSON BOWMAN ACME MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. The sole and exclusive remedy of Purchaser for any claim concerning this product, including, but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of Watson Bowman Acme. Any claims concerning this product shall be submitted in writing within one year of the delivery date of this product to Purchaser and any claims not presented within that period are waived by Purchaser. IN NO EVENT SHALL WATSON BOWMAN ACME BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDES LOSS OF PROFITS) OR PUNITIVE DAMAGES. Other warranties may be available when the product is installed by a factory trained installer. Contact your local Watson Bowman Acme representative for details. The data expressed herein is true and accurate to the best of our knowledge at the time published; it is, however, subject to change without notice.

**Contact**

*Watson Bowman Acme. 95 Pineview Drive, Amherst, NY 14228  
phone: 716-691-7566 / fax: 716-691-9239 / web site: <http://www.wbacorp.com>*

**WaboStadiaFlex\_1206**