



PRODUCT DATA SHEET

Articulus™ Bridge Deck Expansion Joint

PRODUCT DESCRIPTION

Articulus™ Bridge Deck Expansion Joint is a pre-molded expansion joint made from the same coating chemistry as Bridge Preservation's Bridge Deck Membrane. The Articulus™ Bridge Deck Expansion Joint System is designed to work directly with Bridge Deck Membrane™ waterproofing membrane, creating a continuous and seamless waterproof membrane system over the entire bridge structure. Articulus™ Bridge Deck Expansion Joint can be applied to both concrete and steel bridge structures.

USES

Articulus™ Bridge Deck Expansion Joint is a superior high strength, elastomeric expansion joint system designed for both concrete and steel bridge structures.

ADVANTAGES

- Pre-molded to ensure consistency
- Joint movement capability $\pm 50\%$
- Made from the same coating chemistry as Bridge Preservation™ Bridge Deck Membrane waterproofing system
- Will not degrade with time or with weathering exposure
- Made in America

PHYSICAL PROPERTIES

Shore Hardness	ASTM D 2240	<50D
Elongation	ASTM D 638	>250%
Tensile Strength (PSI)	ASTM D 638	>2,000
Tear Strength (PLI; Die C)	ASTM D 624	>390
Operating Temperature Range		-40° to 400°F

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

SURFACE PREPARATION

Prior to placement of joint

- **Concrete Surfaces:** Provide clean, sound concrete substrate. Repair spalls and other defects with approved patching material. Prepare concrete surfaces to SSPC-SP13/NACE No. 6 Surface Preparation of Concrete and achieve a Concrete Surface Profile of at least 3 measured using ICRI CSP chips.
- **Metal Surfaces:** Provide clean, sound metal substrate. Sand blast metal to remove scaling and other contamination and provide a suitable 3-5 mil blast profile. Prepare metal surfaces to SSPC-SP10/NACE No. 2 Near White Blast Cleaning and achieve a 3-5 mil blast profile measured using a Surface Profile Gage.

APPLICATION

Regard Bridge Preservation specifications for Bridge Deck Membrane for detailed preparation and installation procedures.

WARRANTY

Bridge Preservation will refund the price or replace, at its election, product it finds to be defective provided the product has been stored and used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special, or consequential damages, or for any charges or expenses of any nature incurred without its written consent.