*****BEJS SYSTEM by EMSEAL GUIDE SPECIFICATION*****

Application: For Watertight Bridge Expansion Joints
Basis of Design: BEJS SYSTEM by EMSEAL

USA & INTERNATIONAL: EMSEAL JOINT SYSTEMS, LTD, 25 Bridle Lane Westborough, MA 01581-2603, Toll Free: 800-526-8365 or PH: 508-836-0280, FX: 508-836-0281, www.emseal.com.

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Basis of Design: Preformed, Pre-Compressed, Self-Expanding, Sealant System with Silicon Pre-Coated Surface. Use BEJS SYSTEM by EMSEAL Joint Systems for expansion joints and isolation joints in bridges. Typical locations include, but are not limited to the following: bridge joints, structural expansion joints, and component connections in roadways, wing walls, abutments, curbs, sidewalks, jersey barriers, etc.

Sealant system shall be comprised of three components: 1) cellular polyurethane foam impregnated with hydrophobic 100% acrylic, water-based emulsion, factory coated with highway-grade, fuel resistant silicone; 2) field-applied epoxy adhesive primer, 3) field-injected silicone sealant bands. Impregnation agent to have proven non-migratory characteristics. Silicone coating to be highway-grade, low-modulus, fuel resistant silicone applied to the impregnated foam sealant at a width greater than maximum allowable joint extension and which when cured and compressed will form a bellows. Depth of seal as recommended by manufacturer. BEJS foam seal to be installed into manufacturer's standard field-applied epoxy adhesive. The BEJS SYSTEM is to be installed recessed from the surface such that when the field-applied injection band of silicone is installed between the substrates and the foam-and-silicone-bellows, the system will be ½" (12mm) down from the substrate surface.

Material shall be capable of movements of +50%, -50% (100% total) of nominal material size. Changes in plane and direction shall be executed using factory-fabricated "Universal 90" transition assemblies. Transitions shall be warranted to be watertight at inside and outside corners through the full movement capabilities of the product.

All substitute candidates to be certified in writing to be free in composition of any waxes or asphalts, wax compounds or asphalt compounds. All substitute candidates shall be certified in writing to be: a) capable of withstanding 150°F (65°C) for 3 hours while compressed down to the minimum of movement capability dimension of the basis of design product (-25% of nominal material size) without evidence of any bleeding of impregnation medium from the material; and b) that the same material after the heat stability test will self-expand to the maximum of movement capability dimension of the basis-of-design product (+30% of nominal material size) within 24 hours at room temperature 68°F (20°C).

*****END OF GUIDE SPECIFICATION*****