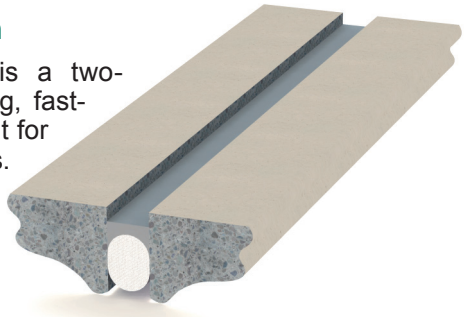
Expansion Joint Systems

Delastic-LS® Pourable Bridge Seals

Product Description

Delastic-LS® Sealant is a two-component, self-leveling, fast-curing, urethane sealant for use in engineered joints.



Basic Uses

Typical applications include: control joint and expansion joint systems for bridges, highways, parking structures, stadiums, plazas, water and sewage treatment facilities and other types of concrete construction. Delastic-LS® Sealant is very low in modulus and exhibits high elongation.

Advantages

A. Cures rapidly to a soft elastomer, having exceptional elastomeric properties

B. Delastic-LS® Sealant has been designed for use under extended water immersion.

C. Contains no asphalt or coal tar additives, and is among the most dimensionally stable sealants available.

Delastic-LS® Sealant Technical Data from Lab Tests

Property	Test Method	Test Results
Movement Capability	ASTM C719	+100% -50%
Tensile Strength	ASTM D412	120 psi
Ultimate Elongation	ASTM D412	1500%
Hardness (Shore A)	ASTM C661	30 ± 5
Low Temperature (Flexibility @ -40°F)	ASTM D1790	Pass
Heat Aging	ASTM C920	2%
Pot Life	ASTM C603	20 minutes
Skin Over Time @ 70°F		45 minutes
Recovery	ASTM C920 - Bond Durability Test Blocked @ 50% for 48 hours	90%
Water Immersion	Samples between masonry blocks will withstand water immersion while elongated 100%	

Limitations

A. Performance of this sealant is closely related to preparation, application techniques and structural behavior. Installation conditions should be as recommended by the manufacturer.

B. Install at 40°F (5°C) or above.

Packaging

Available in one-gallon containers

Applicable Standards

Delastic-LS® Sealant will meet and exceed the requirements of ASTM C920, Type M, Class 50, Use T, NT, M

Color

Gray

Delastic-LS® Sealant Installation

Preparatory Work: Thorough surface preparation, to ensure a dry, clean, sound joint edge, is essential for a good horizontal joint sealant application. All joint edges should have a tooled radius wherever possible. They should be cleaned by sandblasting, by power wire-brushing, or by grinding the edge to ensure a clean, sound substrate. Install the backer rod 3/4” below the joint surface. The Delastic-LS Sealant should be installed 1/4” below the joint surface, resulting in a material thickness of 1/2” at the top of the backer rod.

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