

Iso-Flex® HydroSeal Expansion Joint System

PRODUCT DESCRIPTION

Preformed and impermeable compressible Joint Sealant. Durable closed cell foam with uniform, colored skin on the exposed face.

Basic Use: HydroSeal has been specifically designed to perform under extreme conditions such as those found in vertical and horizontal applications including bridge and parking structure type expansion joints. The material is impermeable to water and when bonded in place provides a weathertight seal.

Typical Applications:

- Bridge Expansion Joints
- Control Joints
- Below grade applications
- Highway Longitudinal and Transverse joints
- Seismic Joints
- Parking Structure Expansion joints
- Plaza Decks
- Pre-cast
- Retrofit Joints
- Roof Expansion Joints/Vertical Joints

Advantages:

- Can accommodate more rapid rates of joint movement
- One size material can function in a wider variety of joint openings
- Never loses its resiliency
- Consistent depth of product
- Greater ease of installation
- Unsurpassed total movement capability
- Can be permanently bonded to the joint substrate
- Greater total operating temperature range
- Environmentally safe No Chloro-Flouro-Carbons

Limitations:

HydroSeal Expansion Joint Sealants will not adhere to surfaces contaminated by oil or grease. HydroSeal will conform to variations of contour of materials forming the joint, provided such profile changes are not sudden or extreme. HydroSeal must be in at least 25% compression after normal placement in the joint.

Composition and Materials:

HydroSeal is a closed cell, stabilized polymer material with a durable PVC coating on the exterior surface. Common sizes range from 3/8" to 8" wide, available in exact size to meet joint requirements. HydroSeal Expansion Joint Sealants are manufactured in standard 5' sticks and can be heat seamed into continuous lengths. When determining the correct size of HydroSeal material to use, simply specify joint size.

Color: Standard Colors are gray and black.

TECHNICAL DATA

HydroSeal does not react with cement, stone, brick, plastics, or metals. HydroSeal is unaffected by repeated cycles of expansion and compression. It does not shrink or dry out.

Shelf life of HydroSeal Expansion Joint Sealant System material is virtually unlimited.

PHYSICAL PROPERTIES (Typical)

Tensile Elongation	275%	ASTM D3575
Tensile Strength	50psi	ASTM D3575
Tear Resistance	21.5 lbs/in.	ASTM D624
Density	3.0 lbs/cuft.	ASTM D3575
Water Absorption	<.02 lbs/sqft	ASTM D3575

INSTALLATION

Preparatory Work: Surfaces to be sealed should be sound, dry, clean and free of oil, grease, rust and other foreign material.

Methods: Apply Iso-Flex Lubricant-Adhesive, urethane sealant to the joint walls. The Lubricant-Adhesive will serve as a lubricant during installation and bonding agent after final cure. Compress the HydroSeal and position the material in the joint. Apply Lubricant-Adhesive at the joint splices to ensure a water tight seal. The natural resiliency of HydroSeal makes it expand against the joint surfaces, creating a positive weather-tight seal.

AVAILABILITY AND COST

Availability: HydroSeal Joint Sealants are available directly from the manufacturer or authorized representatives.

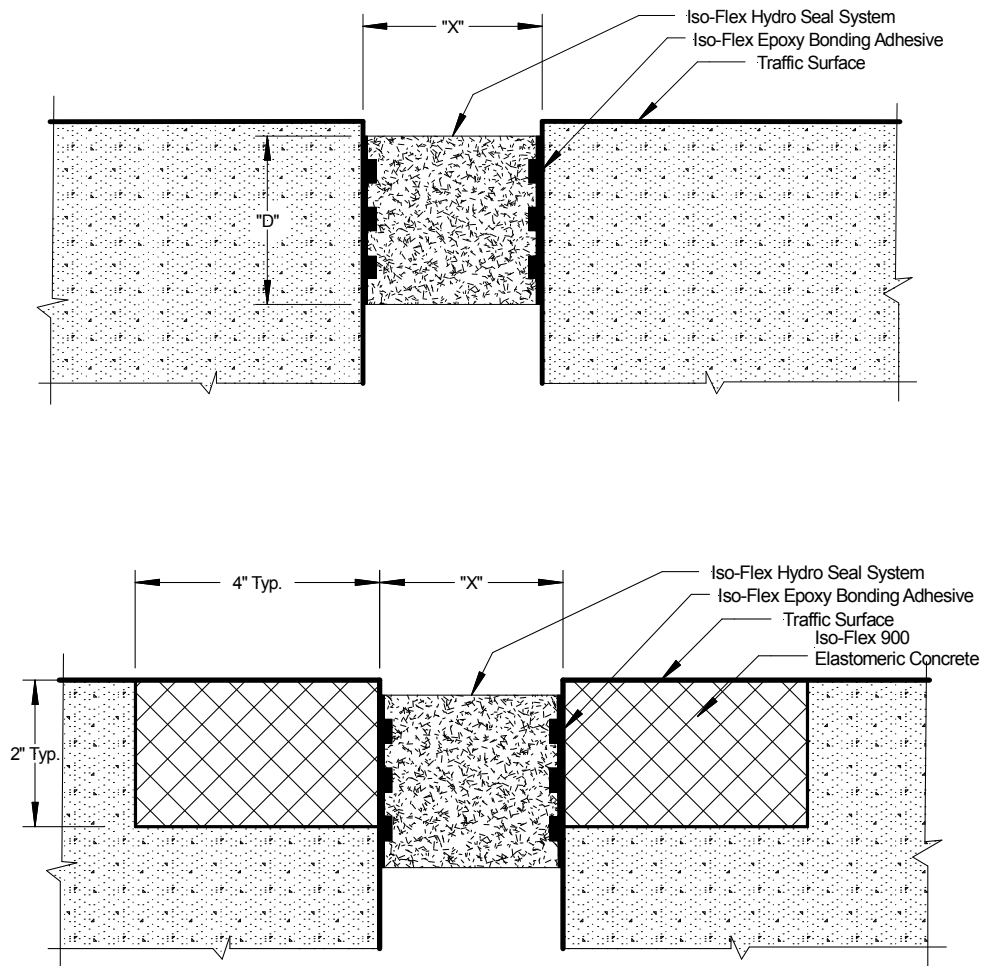
Cost: Current cost information is available from the manufacturer or an authorized representative.

WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

MAINTENANCE

None required



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LymTal International, Inc.

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