

## **Iso-Flex Precom H-SL, Type II**

### **Horizontal Joint Seal**

#### **PRODUCT OVERVIEW**

Iso-Flex Precom "H-SL" Type II is a silicone faced, precompressed foam seal used to fill horizontal construction joints. Precom "H-SL" Type II has a broad range of applications allowing it to seal against weather, moisture, vapor, air, sound and dust. The internal recovery force allows it to function in stationary and movement joints between similar and dissimilar materials in a wide range of temperatures. Precom "H-SL" Type II adjusts to variations of contour of materials forming the joint, provided such profile changes are not sudden or extreme. Full width of seal must remain under compression in order to provide for a watertight solution. Ideal applications include parking garages, bridge joints, plaza decks, and other joints that require a joint sealing solution. Precom "H-SL" Type II is resistant to gasoline, diesel fuel, solvents, salts, and acids. Contact manufacturer for specific chemical resistance requirements.

#### **PRODUCT ADVANTAGES**

- Design to meet the requirements of horizontal applications
- Remains watertight to 100% movement (+/- 50%) based on silicone face
- Precompressed for ease of installation
- Excellent compression recovery
- Factory applied traffic grade silicone

#### **LIMITATIONS**

- Measure joint gaps every 6.5 Ft to ensure proper sizing
- Installation range is -10°F to 95°F
- Store material at room temperature
- Store material in a dry area out of direct sunlight
- Do not install in wet conditions
- Do not use scrap material
- Do not unwrap material until ready to install
- Not intended for joints requiring pick resistance

#### **DESCRIPTION**

Precom "H-SL" Type II is composed of polyurethane, micro-cell foam impregnated with an advanced acrylic formula compound that is UV stable and chemically resistant. Precom "H-SL" Type II is factory coated with a traffic grade silicone facing. Working under it's own constant internal pressure Precom "H-SL" Type II is permanently resilient and will expand and contract with the movement of the joint under any weather

condition. Precom "H-SL" Type II is supplied in precompressed, self-adhesive stick lengths to allow for ease of installation

#### **INSTALLATION**

Surfaces to be sealed must be sound, dry, clean and free of oil, grease, laitance, rust and other foreign material that would prevent proper adhesion. Bonding surfaces should be sandblasted or abraded with mechanical grinders. Precom "H-SL" Type II is epoxy bonded in place. Complete installation information is available from LymTal International, Inc.

#### **SHORT FORM SPECIFICATION:**

Seal shall be Precom "H-SL" Type II as manufactured by LymTal International, Inc., 4150 S. Lapeer Rd., Lake Orion, MI, 48359. Seal shall be high density, open micro-cell polyurethane foam impregnated with an advanced acrylic formula compound, with traffic grade silicone facing that meets ASTM 518, ASTM 283, and DIN 18542. Seal shall be installed in a pre-compressed state and at the proper size for the selected seal.

#### **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

**LymTal International, Inc.**

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damage, direct or consequential, arising out of the use of the product.

**TECHNICAL SERVICES**

Analysis of particular project requirements and recommendations for the proper use of Precom "H-SL" Type II are available from the manufacturer and local representatives. Call 248-373-8100 or fax your detail to 248-373-3480.

Tensile Strength                   ASTM 3574, 22.3 psi min  
 Elongation                            ASTM 3574, 157%  
 Resistance to  
 Compression Set                    ASTM 3574 Max 2.5%  
 Mildew Resistance                    Excellent  
 UV Resistance                        Excellent  
 Staining                               None -40 to 185° F  
 Flash Point                             590°F

**PHYSICAL CHARACTERISTICS**

Foam Seal

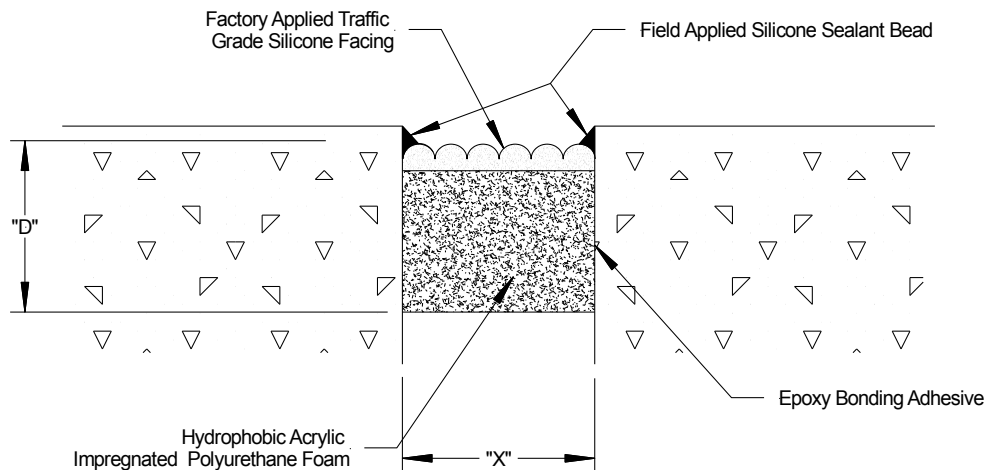
Thermal Conductivity                0.05W/m. °C  
 Thermal Resistance   ASTM C518, 3.3, hr-°F-ft<sup>2</sup>/Btu  
 Temp. Stability Range               -40°F to 185°  
 Staining/Bleeding                   None at 180° F at -25%

Silicone

Color                                    Gray  
 Durometer Hardness, Shore A       15-25  
 Elongation, Min                       1200%  
 Specific Gravity                       1.450-1.515  
 Cure Time at 25°C(77°F)           7-14 Days

Product	"X"	"D"	Packaging
PHSLII 050	1/2	2	6.5 Ft. Stick
PHSLII 062	5/8	2	6.5 Ft. Stick
PHSLII 075	3/4	2	6.5 Ft. Stick
PHSLII 100	1	2	6.5 Ft. Stick
PHSLII 125	1 1/4	2	6.5 Ft. Stick
PHSLII 150	1 1/2	2	6.5 Ft. Stick
PHSLII 175	1 3/4	2	6.5 Ft. Stick
PHSLII 200	2	3	6.5 Ft. Stick
PHSLII 225	2 1/4	3	6.5 Ft. Stick
PHSLII 250	2 1/2	3	6.5 Ft. Stick
PHSLII 275	2 3/4	3	6.5 Ft. Stick
PHSLII 300	3	3	6.5 Ft. Stick
PHSLII 325	3 1/4	3	6.5 Ft. Stick

Product	"X"	"D"	Packaging
PHSLII 350	3 1/2	3	6.5 Ft. Stick
PHSLII 375	3 3/4	3	6.5 Ft. Stick
PHSLII 400	4	4	6.5 Ft. Stick
PHSLII 425	4 1/4	4	6.5 Ft. Stick
PHSLII 450	4 1/2	4	6.5 Ft. Stick
PHSLII 475	4 3/4	4	6.5 Ft. Stick
PHSLII 500	5	4	6.5 Ft. Stick
PHSLII 525	5 1/4	6	6.5 Ft. Stick
PHSLII 550	5 1/2	6	6.5 Ft. Stick
PHSLII 575	5 3/4	6	6.5 Ft. Stick
PHSLII 600	6	6	6.5 Ft. Stick
PHSLII 625	6 1/4	6	6.5 Ft. Stick
PHSLII 650	6 1/2	6	6.5 Ft. Stick



**LymTal International, Inc.**