

Iso-Flex Precom HSL-FRSS **Pick Resistant, Watertight, Fire Resistant Joint Seal**

PRODUCT OVERVIEW

Iso-Flex Precom "HSL-FRSS" is a UL Certified, 2 Hour fire rated, precompressed foam seal featuring a pick and tamper resistant surface sealant. Precom "HSL-FRSS" has a design focused for applications where vandalism is a concern. This includes prisons, detention and psychiatric facilities as well hospitals, schools and other public spaces. The internal recovery forces allow it to seal against weather, moisture, vapor, air, sound and dust. Precom "HSL-FRSS" adjusts to gradual variations of the joint gap and provides for an easy switch of sizes where required. Precom "HSL-FRSS" is resistant to gasoline, diesel fuel, solvents, salts, and acids. Contact manufacturer for specific chemical resistance requirements.

PRODUCT ADVANTAGES

- Tested to UL/ULC 2079
- Manufactured under strict UL Follow Up Service
- No factory made transitions necessary
- Design to meet the requirements of horizontal or vertical applications
- Allows up to 80% joint movement (+37% / -43%)
- Precompressed for ease of installation
- Excellent compression recovery
- Factory applied pick and tamper resistant sealant.

LIMITATIONS

- Measure joint gaps every 5 Ft to ensure proper sizing
- Installation range is -10°F to 95°F
- Store material at room temperature
- Do not install in wet conditions
- Do not unwrap material until ready to install
- Not intended for joints requiring pick resistance

DESCRIPTION

Precom "HSL-FRSS" is composed of fire retardant, polyurethane, micro-cell foam impregnated with an advanced polymer compound that is UV stable and chemically resistant. Precom "HSL-FRSS" is factory coated with a security sealant, polyurethane facing on the top side and a fire resistant sealant. Working under it's own constant internal pressure Precom "HSL-FRSS" is permanently resilient and will expand and

contract with the movement of the joint under any weather condition. Precom "HSL-FRSS" 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 "HSL-FRSS" is epoxy bonded in place. Complete installation information is available from LymTal International, Inc.

DESIGN REQUIREMENTS:

The Precom HSL-FRSS material has successfully met the requirements set forth in UL 2079. Additionally the material is manufactured in accordance with the strict UL Follow Up Inspection Procedures. The system has been tested in accordance with the current UL listings. Please consult the Authorities having jurisdiction for a review of the installation parameters in order to ensure that the specific design, including the substrate and fire barrier assemblies, meet the local fire rating requirements.

Colors:

50 Standard colors available. Contact manufacturer for color chart.

LymTal International, Inc.

4150 South Lapeer Road • Lake Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • www.lymtal.com

TECHNICAL SERVICES

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

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

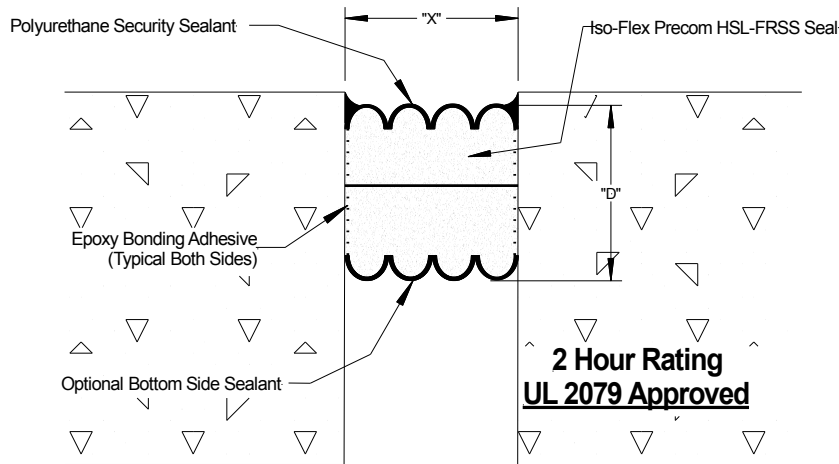
PHYSICAL CHARACTERISTICS

Foam Seal

Thermal Conductivity 0.05W/m. °C
 Thermal Resistance ASTM C518, 3.3, hr-°F-ft²/Btu
 Temp. Stability Range -40°F to 185°
 Staining/Bleeding None at 180° F at -25%
 Tensile Strength ASTM 3574, 22.3 psi min
 Elongation ASTM 3574, 157%

Polyurethane
 Tensile Strength 300-350 psi
 Durometer Hardness, Shore A 40-45
 Elongation 175-200%
 Tear Strength 60 ppl
 Tack Free Time 10 Hrs

Rev01/15



SEAL TYPE	WIDTH "X"	DEPTH "D"	MIN. SLAB DEPTH	SEAL TYPE	WIDTH "X"	DEPTH "D"	MIN. SLAB DEPTH
HSL-FRSS 100	1.000	4.000	4.500	HSL-FRSS 275	2.750	4.000	4.500
	<i>25.400</i>	<i>101.600</i>	<i>114.300</i>		<i>69.850</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 125	1.250	4.000	4.500	HSL-FRSS 300	3.000	4.000	4.500
	<i>31.750</i>	<i>101.600</i>	<i>114.300</i>		<i>76.200</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 150	1.500	4.000	4.500	HSL-FRSS 325	3.250	4.000	4.500
	<i>38.100</i>	<i>101.600</i>	<i>114.300</i>		<i>82.550</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 175	1.750	4.000	4.500	HSL-FRSS 350	3.500	4.000	4.500
	<i>44.450</i>	<i>101.600</i>	<i>114.300</i>		<i>88.900</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 200	2.000	4.000	4.500	HSL-FRSS 375	3.750	4.000	4.500
	<i>50.800</i>	<i>101.600</i>	<i>114.300</i>		<i>95.250</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 225	2.250	4.000	4.500	HSL-FRSS 400	4.000	4.000	4.500
	<i>57.150</i>	<i>101.600</i>	<i>114.300</i>		<i>101.600</i>	<i>101.600</i>	<i>114.300</i>
HSL-FRSS 250	2.500	4.000	4.500	HSL-FRSS 450	4.500	4.000	5.000
	<i>63.500</i>	<i>101.600</i>	<i>114.300</i>		<i>114.300</i>	<i>101.600</i>	<i>127.001</i>

All bold dimensions are inches.

All italicized dimensions are in millimeters

UL Listing Number USA: XBHN.FF-D-1101, XHBN.FF-D-1102

UL Listing Number Canada: XBHN7.WW-D-1095

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