



HVSF-FR JOINT

Horizontal and Vertical Pre Compressed Fire Resistant Joint Seal

PRODUCT OVERVIEW

ENDURIT HVSF-FR is a UL Certified, 2 and 3 Hour fire rated, precompressed foam seal used to fill horizontal and vertical expansion joints. ENDURIT HVSF-FR is tested for up to +/-50% movement and 6" nominal gaps, 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. ENDURIT HVSF-FR adjusts to gradual variations of the joint gap and provides for an easy switch of sizes where required. Ideal applications include building walls, parking garages, bridge joints, plaza decks, and other joints that require an aesthetically pleasing, water tight, fire resistant joint sealing solution. ENDURIT HVSF-FR is resistant to gasoline, diesel fuel, solvents, salts, and acids. Contact manufacturer for specific chemical resistance requirements.

PRODUCT ADVANTAGES

- ☑ Tested to UL/ULC 2079 for up to +/-50% movement
- ☑ Design to meet the requirements of horizontal or vertical applications
- ☑ Precompressed for ease of installation
- ☑ Excellent compression recovery
- ☑ Factory applied traffic grade silicone on top side

LIMITATIONS

- Installation range is -10°F to 95°F
- Store material at room temperature
- Do not install in wet conditions
- Do not use scrap material
- Do not unwrap material until ready to install
- Not intended for joint requiring pick resistance

DESCRIPTION

ENDURIT HVSF-FR is composed of fire retardant, polyurethane, micro-cell foam impregnated with an advanced polymer compound that is UV stable and chemically resistant. ENDURIT HVSF-FR is factory coated with a traffic grade silicone facing on the top side. Working under its own constant internal pressure ENDURIT HVSF-FR is permanently resilient and will expand and contract with the movement of the joint under any weather condition. ENDURIT HVSF-FR 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. ENDURIT HVSF-FR is epoxy bonded in place. Complete installation information is available from BESSERN.

TECHNICAL SERVICES

Analysis of particular project requirements and recommendations for the proper use of ENDURIT HSF are available from BESSERN and local representatives. Call 484-234-5035 or fax your detail to 484-234-5037.

DESIGN REQUIREMENTS

The ENDURIT HVSF-FR 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

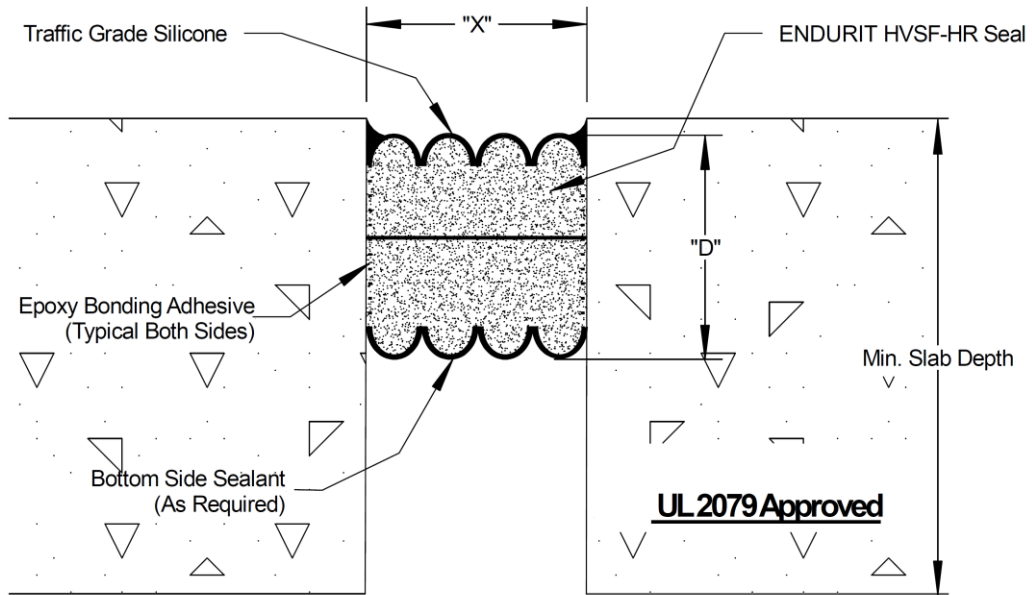
Standard color is dark gray. Other colors available upon request.

UNIT SIZES

Provided in 6.5 linear foot (2 M) sticks.

WARRANTY

BESSERN 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. BESSERN shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.



SEAL TYPE	WIDTH "X"	DEPTH "D"	MIN. SLAB DEPTH
HVSF-HR 100	1.000	4.000	4.500
	<i>25.400</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 125	1.250	4.000	4.500
	<i>31.750</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 150	1.500	4.000	4.500
	<i>38.100</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 175	1.750	4.000	4.500
	<i>44.450</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 200	2.000	4.000	4.500
	<i>50.800</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 225	2.250	4.000	4.500
	<i>57.150</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 250	2.500	4.000	4.500
	<i>63.500</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 275	2.750	4.000	4.500
	<i>69.850</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 300	3.000	4.000	4.500
	<i>76.200</i>	<i>101.600</i>	<i>114.300</i>

SEAL TYPE	WIDTH "X"	DEPTH "D"	MIN. SLAB DEPTH
HVSF-HR 325	3.250	4.000	4.500
	<i>82.550</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 350	3.500	4.000	4.500
	<i>88.900</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 375	3.750	4.000	4.500
	<i>95.250</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 400	4.000	4.000	4.500
	<i>101.600</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 450	4.500	4.000	4.500
	<i>114.300</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 500	5.000	4.000	4.500
	<i>127.001</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 550	5.500	4.000	4.500
	<i>139.701</i>	<i>101.600</i>	<i>114.300</i>
HVSF-HR 600	6.000	4.000	4.500
	<i>152.401</i>	<i>101.600</i>	<i>114.300</i>

All bold dimensions are inches.

All italicized dimensions are in millimeters



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