



HSF JOINT

Horizontal Pre Compressed Joint Seal

PRODUCT OVERVIEW

ENDURIT HSF Joint is a silicone faced, precompressed foam seal used to fill horizontal construction joints. ENDURIT HSF 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 HSF 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. ENDURIT HSF 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
- ☑ Allows up to 100% joint movement (+/-50%)
- ☑ Precompressed for ease of installation
- ☑ Excellent compression recovery
- ☑ Factory applied traffic grade silicone

LIMITATIONS

- Measure joint gaps every 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
- Do not use in roofing applications
- Not intended for joint requiring pick resistance

DESCRIPTION

ENDURIT HSF is composed of polyurethane, microcell foam impregnated with a hydrophobic, modified polymer sealant compound that is UV stable and chemically resistant. ENDURIT HSF is factory coated with a traffic grade silicone facing. Working under its own constant internal pressure ENDURIT HSF is permanently resilient and will expand and contract with the movement of the joint under any weather condition. ENDURIT HSF 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 HSF 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.

PHYSICAL PROPERTIES

Foam Seal

Thermal Resistance	3.3, hr-°F-ft ² /Btu
Thermal Conductivity	0.05W/m. °C
Temp. Stability Range	-40°F to 185°
Staining/Bleeding	None at 185° F at 20%
Tensile Strength	ASTM 3574, 21 psi min.
Elongation	ASTM 3574, 125% ±20%
Resistance to Compression Set	Max 2.5%
Mildew Resistance	Excellent
Flash Point	590°F

Silicone

Color	Grey
Durometer , Shore A	15-25
Elongation, (min)	1200%
Specific Gravity	1.45-1.52
Cure Time at 77°F	7-14 days

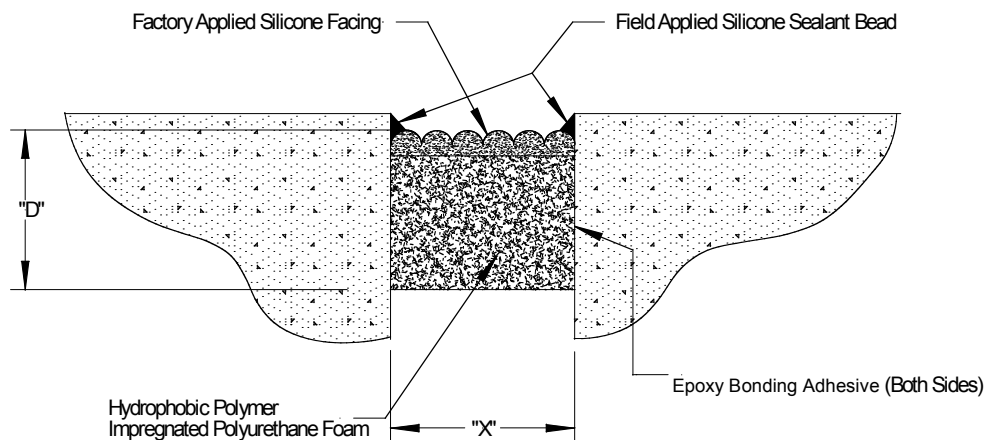
SHORT FORM SPECIFICATION

Seal shall be Seismic Color Joint "HSF" as manufactured by BESSERN Building Products, LLC. Seal shall be high density open micro-cell polyurethane foam impregnated with a modified polymer-sealing compound that meets ASTM 518, ASTM 283 and DIN 18542. Sealant shall be applied to joint in a pre-compressed state with a silicone coating on the exposed face. When compressed to 25% of its fully expanded size it must produce a watertight joint.

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.

Product	"X"	"D"	Packaging
HSF 0.50	1/2	1 1/2	5 Ft. Stick
HSF 0.62	5/8	1 1/2	5 Ft. Stick
HSF 0.75	3/4	1 1/2	5 Ft. Stick
HSF 1.00	1	1 1/2	5 Ft. Stick
HSF 1.25	1 1/4	2	5 Ft. Stick
HSF 1.50	1 1/2	2	5 Ft. Stick
HSF 1.75	1 3/4	2	5 Ft. Stick
HSF 2.00	2	2	5 Ft. Stick
HSF 2.25	2 1/4	2	5 Ft. Stick
HSF 2.50	2 1/2	2	5 Ft. Stick
HSF 2.75	2 3/4	3	5 Ft. Stick
HSF 3.00	3	3	5 Ft. Stick
HSF 3.25	3 1/4	3	5 Ft. Stick
HSF 3.50	3 1/2	3	5 Ft. Stick
HSF 3.75	3 3/4	3	5 Ft. Stick
HSF 4.00	4	3	5 Ft. Stick



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