

Iso-Flex® Color Foam Seal Expansion Joint System

PRODUCT DESCRIPTION

Basic Use: Color Foam Seal has been specifically designed to perform under conditions found in vertical expansion joint applications. The material is ideal for expansion joints and applications requiring an aesthetic, color treated solution. Color Foam Seal is superior to silicone sealant alone because it acts as redundant seal. The impermeable closed cell foam backer is a watertight seal while the silicone face serves as the primary seal and provides an aesthetic colorized finish. The silicone face sealant is never under tension and does not rely on the adhesion of a field applied bead of sealant to provide a watertight seal. When properly sized for movement requirements the joint is always under compression. The secondary seal is a resilient closed cell material that will not absorb moisture like lesser expensive open cell polyurethane foams. Color Foam Seal is permanently resilient and will expand and contract with the movement of the joint under any weather conditions. Colors can be selected to match Dow 790 Silicone or others upon request.

Typical Applications:

- Control Joints
- EIFS Wall Systems
- Parking Structure Expansion Joints
- Seismic Joints
- Precast Wall Joints
- Retrofit Joints

Advantages:

- Can accommodate rapid rates of joint movement
- Conforms to variable joint gap openings
- Will not lose its resiliency
- Consistent depth of product
- Designed to operate under compression
- Greater ease of installation, no tooling required
- Allows up to 50% joint movement (+/-25%)
- Can be permanently bonded to the joint substrate

Limitations:

- Measure 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 in horizontal or roofing applications
- Do not use in submerged conditions

Composition and Materials:

Color Foam Seal is a closed cell, stabilized polymer material with a silicone joint sealant on the exterior face to provide an aesthetic joint surface. Common sizes range from 1" to 8" wide, available in exact size to meet joint requirements. Color Foam Seal Expansion Joint Seals are manufactured in standard 5' sticks and can be heat seamed into continuous lengths. When determining the correct size of Color Foam Seal material to use, simply specify joint size.

Color: Use Dow 790 Silicone Color chart. Other colors available upon request.

TECHNICAL DATA

Color Foam Seal does not react with cement, stone, brick, plastics, or metals. Color Foam Seal is unaffected by repeated cycles of expansion and compression. It does not shrink or dry out. Shelf life of Color Foam Seal Expansion Joint Sealant System material is 12 months.

PHYSICAL PROPERTIES

Tensile Elongation	250%	ASTM D3575
Thermal Conductivity	R-4	ASTM C177
Durometer Hardness	15 Shore A	ASTM D2240
Tensile Strength	120psi	ASTM D3575
Tear Resistance	21.5 lbs/in.	ASTM D624
Density	3.0 lbs/cuft.	ASTM D3575
Water Absorption	<.02 lbs/sqft	ASTM D3575
Weather resistance	No Cracking	ASTM D1499

INSTALLATION

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

Methods: Use of heat guns or cooling devices is NOT necessary with Color Foam Seal Joint Sealants. Apply either an epoxy gel or a high quality silicone sealant to the joint walls as a lubricant adhesive. Either should be applied at least 2 1/2" deep on both sides of the joint and will serve as a lubricant during installation and bonding agent after final cure. Compress the Color Foam Seal and position the material in the joint. The natural resilience of Color Foam Seal makes it expand against the joint surfaces, creating a positive water and weather-tight seal.

SHORT FORM SPECIFICATION

Seal shall be Color Foam Seal as manufactured by LymTal International, Inc. 4150 S. Lapeer Rd., Lake Orion, MI 48359. Seal shall be a closed cell, stabilized polymer material with a silicone joint sealant on the exterior face that meets ASTM 518, ASTM 283 and DIN 18542. The seal shall be applied to joint with a silicone coating on the exposed face.

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.

TECHNICAL SERVICES

Analysis of particular project requirements and recommendations for the proper use of Color Foam Seal are available from the manufacturer and local representatives. Call **248-373-8100** or fax your detail to **248-373-3480**.

System	"X"	"D"	Packaging
CFS050	1/2	1	5 Ft. Stick
CFS062	5/8	1	5 Ft. Stick
CFS075	3/4	1	5 Ft. Stick
CFS100	1	1	5 Ft. Stick
CFS125	1 1/4	2	5 Ft. Stick
CFS150	1 1/2	2	5 Ft. Stick
CFS175	1 3/4	2	5 Ft. Stick
CFS200	2	2	5 Ft. Stick
CFS225	2 1/4	2	5 Ft. Stick
CFS250	2 1/2	2	5 Ft. Stick
CFS275	2 3/4	2	5 Ft. Stick
CFS300	3	2 1/2	5 Ft. Stick
CFS325	3 1/4	2 1/2	5 Ft. Stick
CFS350	3 1/2	2 1/2	5 Ft. Stick
CFS375	3 3/4	2 1/2	5 Ft. Stick
CFS400	4	2 1/2	5 Ft. Stick

