W-FS-EVA Series

Compressible Joint Sealant,
Durable, Closed Cell Foam,
Waterproofs Vertical & Horizontal Applications.

PRIMARY USES
Below Grade Applications
Highway Longitudinal/Transverse Joints
Parking Structure Expansion Joints

DESCRIPTION

- W-FS-EVA is composed of a durable, closed cell ethylene vinyl acetate (EVA) foam
- Developed to perform under extreme conditions such as those found in vertical and horizontal applications including bridge and parking structure type expansion joints.
- Provides a watertight, dustproof, airtight, UV stable, chemically resistant, soundproof, and insulated urethane primary seal.
- W-FS-EVA is a preformed, compressible system that is impermeable to water and when bonded in place provides a watertight seal.
- Once W-FS-EVA is installed in the joint, the material adapts to the width of the joint and the irregularities of the substrate provided such profile changes are not sudden or extreme.
- Developed to meet all applicable standards for compressible sealants.
- Permanently resilient; the material will expand and contract with the movement of the joint under any weather condition.
- Standard Color: Gray
- Special Order Colors: Black or Beige
- Available Sizes (Joint Width)
  *Sticks: 1/2” to 12"
  *(custom sizes available upon request)

ADVANTAGES

- Intumescent fire rated adhesive site applied to seal and protect substrate.
- Can accommodate rapid rates of joint movement
- Made from a monolithic piece of foam that will not delaminate like multi-layer products
- Consistent depth of product
- Used for joints up to 12" wide
- Allows for up to 50% (±25%) movement
- Can be permanently bonded to the joint substrate
- Not based on cheap asphaltic or bitumastic impregnation
- Environmentally safe. No ChloroFluoroCarbons (CFCs)

APPLICATIONS

- Primary horizontal or vertical joints
- Control joints
- Below grade applications
- Highway longitudinal and transverse joints
- Parking structure expansion joints
- Plaza decks
- Pre-cast or retrofit joints
- Other joints requiring a watertight seal a watertight seal.

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SPECIFICATION

Sealant shall be W-FS-EVA as manufactured by Architectural Art Manufacturing. Sealant shall be a closed cell, durable, ethylene vinyl acetate (EVA) foam. W-FS-EVA shall be installed in the joint in a compressible state and shall provide a watertight joint. When compressed to 50% of its fully expanded size, W-FS-EVA must provide a watertight joint. The manufacturer shall furnish a Certificate of Compliance with these requirements

TYPICAL PHYSICAL PROPERTIES

Density	ASTM D3575	2-3 lb/cu. ft.
Tensile Strength	ASTM D3575	120 psi
Tensile Elongation	ASTM D3575	250%
Tear Resistance	ASTM D624	21.5lbs/in.
Water Absorption	ASTM D3575	<.02lbs/ft^2

W-FS-EVA does not react with cement, stone, brick, plastics or metals.

CHEMICAL RESISTANCE (core foam material):

Isopropyl Alcohol	Excellent	Linseed Oil	Excellent
Naptha	Excellent	Motor Oil #30	Excellent
Clorox	Excellent	Acetic Acid 5%	Excellent
Ethylene Glycol	Excellent	Hydrochloric Acid Conc.	Excellent
Butyl/ethyl Acetate	Excellent	Nitric Acid	Excellent

LIMITATIONS

- Joints must be sized by measuring every 5-7ft. (1.524 - 2.137 meters) to ensure gap opening is uniform and depth is sufficient for the supplied material.
- If ambient storage temperatures are below 50°F (10°C), store material at a minimum of 68°F(20°C) for a minimum of 24 hours prior to installation, regardless of temperature at location of installation.
- Store material in a dry, enclosed area, off the ground, and out of direct sunlight. Do not install when raining or snowing.
- Do not install when substrate or ambient temperatures are below -14°F (-25°C) or above 95°F (35°C).
- Will not adhere to surfaces contaminated by oil or grease

NOT INTENDED FOR

- Joints submerged in water
- Joints in contact with harsh chemicals
- Joints in roofing applications
- Joints requiring pick resistance
- Cross joints in copings and projecting stone work

INSTALLATION

PREPARATION

- Verify that the joint is clean, sound, and will provide an appropriate surface for installation of the joint sealant.
- Check material for the appropriate lengths, widths, and depths.
- Prepare the material for seams and proper lengths.

INSTALLATION

- Run a 1/4" bead of the supplied epoxy adhesive along both sides of the joint approximately 1/2" - 3/4" back from the substrate surface.
- Compress W-FS-EVA and insert the material into the joint.
- Tool the supplied Flexible Seal over all seams and transitions to allow for a clean, aesthetic finish.

CLEAN UP

- Remove any excess epoxy left on the surface of the material or substrate.
- Remove all waste materials from the jobsite.
- Do not reuse waste material.
- Leave site to the satisfaction of the owner/architect.