

Evazote

Technical Bulletin

Evazote is a pre-formed, low-density, closed cell, crosslinked, nitrogen blown, EVA copolymer polyethylene material. This flexible joint seal is waterproof and chemical resistant, making it an ideal expansion joint seal for bridges, car parks, waste water treatment plants, and many other commercial structures where a waterproof joint seal is required. **Evazote** is compatible with construction materials and resistant to abrasion, oxidation, oils, gasoline, salt, and other materials that may come in contact with the surface. Conforms to ASTM D1056, Type 2 Class B, Grade 2.

Key Features

- Handles 30% tension and 60% compression
- Handles 100% vertical and horizontal shear
- Weather and UV resistant - UV Inhibitor added
- Intersections and splices field-welded
- Field installations are quick and easy
- A monolithic waterproof system
- Solvent and chemical resistance
- Not affected by extreme cold
- Hydrostatic resistant to 70'
- Bonds to most substrates

Uses

Waterproof expansion/contraction joint seal for bridges, car parks, tunnels, waste water treatment plants, and interior/exterior commercial structures.

Enhanced Bond Line Design

Polyset manufactures the **Evazote** seals with grooves along the bond surface running the length of the joint. The grooves are approximately 1/8" wide by 1/8" deep and spaced between 1/4 and 1/2 inch apart. Splicing of the seal is performed using the heat-welding method.

Installation

Evazote is installed with Ply-Bonder (2-part epoxy) on both sides of the substrate and both sides of the **Evazote**. The seal is installed under compression (see design chart). Please refer to Joint Seal Installation Instructions for proper installation procedures.

Packaging: Fabricated per project requirements

Shelf Life: Unlimited

Storage: Maximum storage temperature: 95°F

Physical Data

Property	Value	ASTM D3575
Density (nominal)	3.0 pcf ± 0.3	Suffix W
Compressive Strength	6 psi @ 25% 15 psi @ 50%	Suffix D
Elongation	255%	Suffix G
Tensile Strength	120 psi ± 12 psi	Suffix T
Tear Strength	17 pli ± 3 pli	Suffix T
Compression Set 22 Hrs @ 50%	9% @ 24 Hr Rcvy (13% @ 2 Hr Rcvy)	Suffix B
Water Absorption	< 0.03 lb/ft ² 3% vol/vol max	Suffix L
Weathering (AASHTO T42)	No Deterioration within 10 Yrs	

Design Chart

Model Number	Jt. Gap (in.) @ 60°F	Rec.* Seal Size (w x d)	Movement Range (in.)
#1.38	1	1 3/8 x 2	0.5 - 1.8
#1.63	1 1/4	1 5/8 x 2	0.6 - 2.1
#2.00	1 1/2	2 x 2	0.8 - 2.6
#2.38	1 3/4	2 3/8 x 2	0.9 - 3.1
#2.75	2	2 3/4 x 2	1.1 - 3.6
#3.00	2 1/4	3 x 2 1/2	1.2 - 3.9
#3.25	2 1/2	3 1/4 x 2 1/2	1.3 - 4.2
#3.50	2 3/4	3 1/2 x 2 1/2	1.4 - 4.5
#4.00	3	4 x 3	1.6 - 5.2
#4.50	3 1/2	4 1/2 x 3	1.8 - 5.8
#5.00	4	5 x 3 1/2	2.0 - 6.5

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