

Millennium EPDM Edge Sealant

Description

Millennium EPDM Edge Sealant* is a patented, specially formulated high solids, low VOC, EPDM based sealant designed to seal the exposed edges of EPDM membrane splices. The sealant has excellent adhesion to EPDM membranes.

Basic Use

Millennium EPDM Edge Sealant is designed to seal the exposed edges of EPDM membrane roof system splices, T-joints, step downs, tie-ins, termination bars, and general flashing details.

Surface Preparation

All work surfaces should be clean, dry, free of dirt, dust, debris, oils, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. If necessary, clean the surface to receive the Edge Sealant with an approved EPDM membrane cleaner.

Safety

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

Limitations

- Not to be used as a splicing cement between EPDM membranes.
- Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are necessary for proper installation of this product.

Color

Black

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 40°F-110°F. (4°C-38°C). Shelf life is 24 months when stored as recommended.



Features

Low VOC formula (<250 g/L)

Aliphatic solvent system

Excellent adhesion to a variety of substrates (EPDM, metals, wood, and concrete)

Resistant to UV light, high heat, and moisture

High solids content

No sag or flow

Benefits

Suitable for use in VOC regulated markets

Will not attack polystyrene

Suitable for a wide variety of applications

Long-term durability

Resistant to shrinking and cracking

Suitable for both vertical and horizontal application

Packaging and Coverage

Millennium EPDM Edge Sealant is available in the following package:

<u>Cartridge Size</u>	<u>Part #</u>	<u>Cartridges/Case</u>
10.3 fl. oz. (300 mL)	CT-6343	12

Coverage rate will be approximately 20 - 22 lineal feet (6.0 - 6.7 m) for a 1/4" (0.64 cm) bead.

*US 6,642,296 B2; US 6,291,571 B1

Application

1. Prior to application, insure that all seams and/or flashings are properly installed according to EPDM roof system manufacturer's guidelines.
2. Cut nozzle on tube for desired bead size. Place patented feathering tip over cut nozzle prior to installing cartridge into caulking gun.
3. Gun 1/4" (6.4mm) size bead of Millennium EPDM Edge Sealant along the exposed edge of membrane seam splice or flashing.
4. No tooling of installed sealant is necessary if feathering tip is used. If feathering tip is not used, tool the sealant. Tool the sealant bead so the high point is above the offset of the splice and the edges are feathered onto the deck.
5. Typically membrane and flashing seams must be allowed to age at least 2 hours before Millennium EPDM Edge Sealant is installed. Refer to EPDM roof system manufacturer guidelines for additional recommendations.



Technical Data

Typical Physical Properties and Characteristics		
	Typical Values	Test Method
Base Polymer	EPDM Rubber	FTIR
Color	Black	Visual
Weight per Gallon	11.60 lbs.	ASTM D 1475
Tack Free Time	Within 1 hour	ASTM D 2377
Cure Rate	Approx. 72 hours	ASTM D 2377
VOC Content	<250 g/L	ASTM D 2369
Solids Content	80%	ASTM C 681
Flash Point	50°F (10°C)	ASTM D 56
Application Properties		
Service Temperature	-40°F to 200°F (-40°C to 93°C)	ASTM D 3359
Application Temp.	20°F to 120°F (-6°C to 49°C)	ASTM C 603

NOTE:

The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.



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