

Millennium EPDM Flashing Tape

Description

Millennium EPDM Flashing Tape consists of an uncured EPDM membrane that has been laminated to a 25 mil EPDM based pressure sensitive tape. The tape is comprised of a vulcanized rubber adhesive that will provide OEM quality performance for EPDM single-ply restoration projects. Millennium EPDM Flashing Tape is extremely flexible and can be formed to fit irregular shapes and surfaces. Due to the exceptional strength of the vulcanized rubber adhesive, Millennium EPDM Flashing Tape will not shrink, bridge, or delaminate due to stress or movement in the roofing system.

Basic Use

Millennium EPDM Flashing Tapes are ideal for flashing rooftop penetrations and other details such as:

- Overlay at T-joints, corners, pipes, and penetrations
- General repair in non-traffic areas
- Gravel stop flashing
- General purpose flashing
- Metal edge tie-in

Surface Preparation

All work surfaces should be clean, dry, and 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 flashing 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 for use on PVC roof membranes.
- Not for use in high traffic areas.
- 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



Features

Resistant to UV light, high heat and moisture

Excellent adhesion and formability

No torch or liquid adhesives

Fast installation

Waterproof detail

Benefits

Long-term durability

Flashing details with proven peel & stick technology

Improved safety

Saves time and labor

Suitable for roofing, pond lining, and waterproofing applications

Packaging and Coverage

Millennium EPDM Flashing Tape is available in the following sizes:

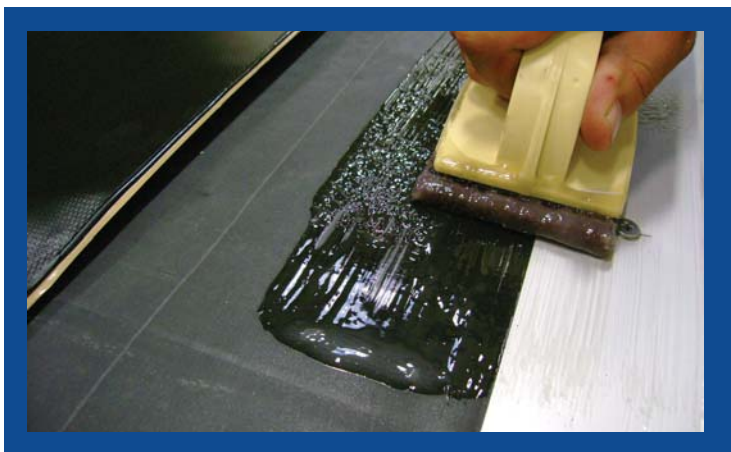
<u>Widths</u>	<u>Length</u>	<u>Part #</u>	<u>Rolls/Case</u>
North America			
5 inch (127mm)	100 ft. (30.48m)	ET-0553-05	2
6 inch (152mm)	100 ft. (30.48m)	ET-0553-06	2
9 inch (229mm)	50 ft. (15.24m)	ET-0553-09	2
12 inch (305mm)	50 ft. (15.24m)	ET-0553-12	1
18 inch (458mm)	50 ft. (15.24m)	ET-0553-18	1
Europe, CIS, and Middle East			
5 inch (127mm)	100 ft. (30.48m)	ET-0553-05EU	2
6 inch (152mm)	100 ft. (30.48m)	ET-0553-06EU	2
9 inch (229mm)	50 ft. (15.24m)	ET-0553-09EU	2
12 inch (305mm)	50 ft. (15.24m)	ET-0553-12EU	1
18 inch (458mm)	50 ft. (15.24m)	ET-0553-18EU	1

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 40°F-110°F (4°C - 43°C). Shelf life is 9 months when stored as recommended.

Application

1. Clean entire surface where Millennium EPDM Flashing Tape will be applied.
2. Apply EPDM primer to entire surface to be covered using the supplied scrub pad. NOTE: Use caution when installing at temperatures below 40°F (4°C) to prevent blushing of EPDM primer (formation of condensation on surface of primer).
3. Allow the primer to dry to the touch (no material transfer, typically less than 20 minutes). Dry time will vary depending on ambient temperature and humidity.
4. Once the primer is dry immediately install Millennium EPDM Flashing Tape.
5. Position Flashing Tape over primed area and remove release liner. Press down and form Flashing Tape by hand.
6. Roll the flashing with a 2" (5.08cm) wide silicone roller.
7. Seal edges of flashing detail with Millennium EPDM Edge Sealant.



Code #0017-0514

Technical Data

Typical Physical Properties and Characteristics		
	<i>Typical Values</i>	<i>Test Method</i>
Base Polymer (Flashing & Tape)	EPDM	FTIR
Color (Flashing & Tape)	Black	Visual
Tensile Strength (uncured)	250 psi max.	ASTM D 412 Die C
Elongation (uncured)	600% min.	ASTM D 412
Ozone Resistance	No Cracking	ASTM D 1149
Peel Strength	10 pli @ 70°F (21°C)	ASTM D 413
Shear Strength	20 psi @ 70°F (21°C)	ASTM D 816
Brittleness Temperature	-50°F (-46°C)	ASTM D 2137

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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Millennium One Step™ Foamable Adhesive

Description

Millennium One Step™ Foamable Adhesive is a highly elastomeric, one-step, all-purpose, foamable adhesive that contains no solvents, sets in minutes, and is designed for use with our patented application process.*

Our One Step™ application process eliminates error due to poor mixing. Application is quick and easy, resulting in significant labor savings for the contractor. No expensive specialty pumps or spray rigs are required.

Basic Use

Millennium One Step™ Foamable Adhesive is designed for use as an adhesive for bonding approved roof insulations to a building's structural roof deck, base sheets, other insulation boards, and smooth or properly prepared graveled built-up roof surfaces.

Millennium One Step™ Foamable Adhesive eliminates the need for mechanical fasteners that can often cause damage to the roof deck, which can reduce the roof's service life.

Approved Insulations and Substrates

- HD wood fiber
- Isocyanurate
- Perlite- minimum 3/4" (1.9 cm)
- Polystyrene
- Gypsum cover board
- Asphaltic cover boards
- DensDeck
- Concrete
- Gypsum
- Cementitious wood fiber
- Lightweight insulating concrete
- Wood or steel
- Modified bitumen membranes and base sheets (sanded or granule surfaced)
- Approved insulations (multi-layer applications)
- Smooth or gravel surface built-up roof (re-roof applications)

For a complete list of approved substrates and insulation types, or for additional information, contact our Technical Department.



Features	Benefits
Ready to use	Requires no mixing, reduces labor costs
No temperature restrictions	Suitable for all climates
One Step™ technology	Easy to apply
Solvent free	VOC free, no odors
Elastomeric	Remains flexible, absorbs stresses
Low rise foam	Accommodates minor surface irregularities
Replaces fasteners	Minimizes penetrations and deck corrosion

Safety

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

Limitations

- Do not apply to wet or damp surfaces.
- Not recommended for use with insulation boards larger than 4' x 4' (1.2m x 1.2m).
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface.
- When applying Millennium One Step™ Foamable Adhesive over a smooth or sanded APP roof surface Millennium Surface Treatment will be required.

***U.S. Patent Nos. 7,056,556; D501,855**

CAUTION: All statements and technical information in this document are based on tests or data that ADCO believes is reliable. However, ADCO does not warrant or guarantee the accuracy or completeness of this information. The user has sole knowledge and control of factors that can affect the performance of ADCO's products in the user's intended application. It is the user's responsibility to conduct tests to determine the compatibility of ADCO's product with the design, structure, and materials of the user's end product and the suitability of ADCO's product for the user's method of application and intended use. The user assumes all risk and liability arising out of such use.

Application

1. Remove snap off tip from the One Step™ mixing head and keep for re-use.
2. Attach a One Step™ mixing nozzle to the threaded mixing head.
3. Place the cartridge into the appropriate One Step™ applicator.
4. Apply Millennium One Step™ Foamable Adhesive directly to the substrate, using a ribbon pattern. Space 1/4" to 1/2" (0.6cm to 1.3cm) wide beads, 12" (30cm) o.c., to achieve proper coverage rates for insulation attachment. As adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate.
5. Un-used material can be applied at a later date by simply plugging the cartridges (with provided snap off tip) and using a new One Step™ mixing nozzle.



Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven.

For applications over existing weathered asphalt or coal tar pitch BUR, apply Millennium Universal Primer prior to the application of Millennium One Step™ Foamable Adhesive. For applications over fresh and/or non-oxidized asphalt, coal tar or plastic film membranes, apply Millennium Surface Treatment prior to the application of Millennium One Step™ Foamable Adhesive.

Equipment

The fast and dependable One Step™ applicators make applying Millennium One Step™ Foamable Adhesive simple:

- Patented Multi-Bead Plus*
- Patented Multi-Bead*
- Battery Powered Single Bead
- Pneumatic Single Bead
- Stand Up Single Bead
- Ultra Drive Manual Applicator
- Heavy Duty Manual Applicator

Storage

Keep temperature of contents between 65°F-85°F (18°C-29°C) 24 hours prior to use. Do not store in direct sunlight or temperatures higher than 90°F (32°C).

Color

Off white-light amber

Packaging and Coverage

Millennium One Step™ Foamable Adhesive is available in the following package:

<u>Cartridge Size</u>	<u>Part #</u>	<u>Cartridges/Case</u>
1.5 Liter	OS-FA15-04	4

Covers 600 sq ft (56m²) per case. Coverage estimates indicate total square feet of insulation attachment per case. Rates are based on an application pattern of 4 ribbons, 1/4" to 1/2" (0.6cm to 1.3cm) wide, 12" (30cm) o.c. per 4' x 4' (1.2m x 1.2m) insulation board.



Code #0026-1112

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