

**Questions About EPDM
Membrane or System Choices?**

We've Got Your Answers!



"The name trusted in roofing since 1966"

Most Frequently Asked Questions About EPDM Systems

What is a suitable substrate for Water Base Bonding Adhesive application?

Plywood or OSB or ½" HD Fiberboard, ½" Dens-Deck, ½" Dens-Deck Prime.

What are the Warranty Fees for EPDM Roofing Systems?

Fees vary depending on the level of warranty desired.
Current fees are listed on Mule-Hide Warranty Application forms.

How long does it take Mule-Hide to turn around a Labor & Material Warranty?

Usually 2-3 days upon receipt of the final inspection checklist and warranty fee.

Does the contractor need to provide material invoices along with Warranty Applications?

For Premium Warranties material invoices must be provided.

Does Mule-Hide require a total tear-off for a 10 year Labor & Material Warranty?

No, this is not required, but areas of the roof where insulation is wet must be replaced.

Does Mule-Hide offer any pre-job "walk the roof" or job starts?

Yes, Mule-Hide Field Sales Representatives offer these services.

Can I use Water Base Bonding Adhesive to adhere flashings?

No, since it is applied wet it is designed for single side applications and will not hold flashings to the wall, you need MH Bonding Adhesive (solvent base).

What fasteners should be used for insulation attachment on a steel deck?

Drill Point Fasteners should be used along with 3" Galvalume Stress Plates.

What fasteners should be used for membrane attachment on a steel deck?

Heavy Duty Fasteners should be used along with 2" Barbed Seam Plates.

What is Cured Cover Tape - why do I need this special tape?

MH Cured Cover Tape is a length of EPDM, factory-bonded to a cured butyl adhesive tape that is highly resistant to the most extreme weather & use situations. Used to strip in gravel stops and drip aprons (edges). When applied properly (Mule-Hide Tape Primer must be used), it provides a long lasting, high performing seal.

What is In-Seam Tape - why do I need this special tape?

MH In-Seam Tape is a cured, butyl based, two-sided adhesive tape that bonds on contact. Used to seam and eliminate applicator inconsistencies & voids. When applied properly (Mule-Hide Tape Primer must be used), it provides the fastest way to achieve strong, long lasting watertight field seams.

What if I need to prove Mule-Hide meets the written specification for a spec job?

Your ABC Sales Rep can facilitate by faxing 3 pieces of info to Mule-Hide. Just provide ABC with the following info and a letter will be written and sent:

1. A copy of the specification
2. Name and address to whom the letter should be addressed
3. Your phone and fax number

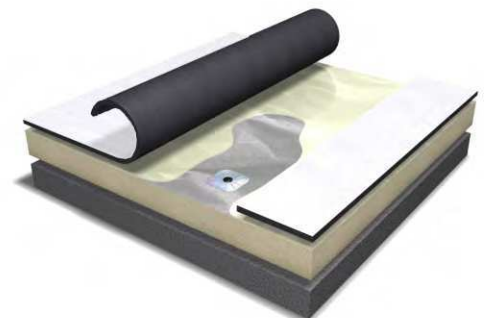
What if I need to prove Mule-Hide meets a UL or FM requirement?

Your ABC Sales Rep can facilitate by providing system information to Mule-Hide. Just provide ABC with the answer to the 7 questions below and they can get a quick answer (or request a letter) from the Mule-Hide Field Sales Rep or the Mule-Hide Customer Support Line:

1. Deck type?
2. Slope?
3. Insulation type and thickness?
4. Membrane and system?
5. Building location and height?
6. Overall dimensions?
7. Parapet height?

What if I need a Submittal Package for a roofing system spec job?

Your ABC Sales Rep can facilitate by providing the same info as above - plus info about penetrations, drains, tie-ins, terminations, and additional repairs to the Mule-Hide Field Sales Rep who will work with the Mule-Hide Technical Dept. to produce the Submittal Package.



ESTIMATING TIPS



EPDM Accessories Coverage Rates:

Water Base Bonding Adhesive, 1 gal or 5 gal., apply 1-sided	100-120 sq ft per gal
Bonding Adhesive (solvent base), 5 gal, apply 2-sided	60 sq. ft. per gal
Splice Adhesive (black - 1 or 5 gal, or white - 1 gal.), apply 2-sided	50 sq. ft. per gal
Black Lap Sealant, 11 oz tube or 5 gal. pail	20 linear ft. per tube
3" In-Seam Tape	100' long rolls
6" In-Seam Tape	100' long rolls
Tape Primer, 1 gal, 2 ½ gal., or 5 gal.	200 sq. ft. per gal
All Purpose Bar	10 ft. long pieces
Water Cut-Off Mastic, 11 oz. tube	20 linear ft. per tube
RMS (Reinforced Membrane Strip)	6" wide x 100' long rolls
RMS with 3" Tape	6" wide x 100' long rolls
6" Uncured Flashing (black or white-on-black)	100 linear ft. per roll
12" Uncured Flashing (black or white-on-black)	100 linear ft. per roll
6" Uncured Flashing Tape	100 linear ft. per roll
12" Uncured Flashing Tape	50 linear ft. per roll
6" Cured Cover Tape	100 linear ft. per roll
12" Cured Cover Tape	100 linear ft. per roll
Pipe Boots with Clamps 1" to 6" dia.	1 boot per penetration
Pipe Boots w/Tape & Clamps 1" to 6" dia.	1 boot per penetration
Pourable Sealer, 1 gal (part A & Part B)	200 cubic inch per gal
Pourable Sealer (Pitch) Pockets EPDM, 4", 6" or 8"	1 per detail
3" Galvalume Stress Plates (for insulation)	1,000 per pail
Drill Point Fasteners (for Insulation only)	1,000 per pail*
Heavy Duty Fasteners (for Membrane/RMS only)	1,000 per pail*
2" Barbed Seam Plates (1 per HD Fastener)	1,000 per pail
Pre-cut Corners, 7" x 9" pieces purchased separately	1 per corner

*Sizes 7" and over 500 per pail

Adhesives Types & Uses

Water Based Adhesive:

1. **Water Base Bonding Adhesive (white acrylic)** for single-side, wet, horizontal application of EPDM & flashing materials to acceptable high-density wood fiberboard, plywood, Dens-Deck, moisture resistant drywall or an acceptable OSB panel. Also available in 1 gallon pails!

Solvent Based Adhesives

1. **Splice/Seam Adhesive (black or white)** contact adhesive to adhere seams of EPDM and to adhere uncured flashing material to EPDM. TIP - avoid liquid adhesion problems - use our popular in-seam tapes and our new 6" RMS Strip with 3" Tape instead of adhesive!
2. **Bonding Adhesive (yellow)** to fully adhere EPDM and flashing materials to acceptable rigid insulation boards, metal, wood, masonry, & other acceptable substrates on both horizontal & vertical surfaces.
3. **Single Seal Adhesive (black)** is a brush or roller grade contact adhesive used as either a bonding adhesive or a splice adhesive. Used primarily on small projects where UL & FM approvals are not required. Not approved for use when requesting System Warranties.

This information herein is based upon data and knowledge considered to be true and accurate and is provided for the specifier's consideration, investigation and verification. Technical information is subject to change rapidly and it is not possible to guarantee that all items will be accurate at all times. Visit the Mule-Hide website at www.mulehide.com prior to any installation for updated technical specifications and details. However, Mule-Hide Products Co., Inc. does not warrant any results to be obtained. Statements concerning possible use of Mule-Hide products are made without knowledge of your particular roof and such an application may not be fit for your particular purpose. MULE-HIDE DISCLAIMS ALL WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, except written warranties attached to Mule-Hide products and written warranties signed by an officer of Mule-Hide.





SELECT-A-MEMBRANE EPDM

BENEFITS

SYSTEM	Non-Reinforced Black EPDM .045	Non-Reinforced Black EPDM .060	White-on-Black Non-Reinforced EPDM .060	Reinforced black EPDM .045 & .060
			CRRC® rated & Energy Star® listed	
Ballasted System (Deck must be able to hold a min. ballast weight of 10 lbs. per sq. ft.)	Ideal for large or open flat roofs: Large sheets, fast, low cost installation	Optional Membrane	Not recommended	Optional Membrane
Ballasted Maximum Slope = 2:12				
Fully Adhered System [Water Base Bonding Adhesive (white)] (Need deck where fasteners obtain min. 360 lbs. pullout)	Ideal for any flat roof: Best wind resistance, fast/less labor, easier sheet positioning so fewer call backs	Optional Membrane	Optional Membrane	Optional Membrane with greater puncture resistance
Fully Adhered (WBBA) Maximum Slope = 2:12				
Fully Adhered System [Bonding Adhesive (yellow solvent based)] (Need deck	Not recommended	Recommended	Optional Membrane	Optional Membrane with greater puncture resistance
F-Adhered (Solvent Adh) Max. Slope = unlimited				
Mechanically Attached System (Need deck where fasteners obtain min. 360 lbs. pullout)	7' SHEET ONLY - No UL & FM Assemblies - Max. 10 yr L&M warranties	7' SHEET ONLY - No UL & FM Assemblies - Max. 10 yr L&M warranties	Not Available	Economical Alternative for any large or open flat roof & roofs with many penetrations or open areas. UL & FM Assemblies.
Mech. Attached Maximum Slope = unlimited				
FEATURES	Non-Reinforced Black EPDM .045	Non-Reinforced Black EPDM .060	White-on-Black Non-Reinforced EPDM .060	Reinforced black EPDM .045 & .060
Durability	Good Performance	Excellent Performance	Good Performance	Superior fatigue, tear, and puncture resistance
Membrane Lifecycle	Better	Best	Good	Better
Energy Efficiency (Reflects sun, cools building interior)	NA	NA	Lower BTU usage and increased energy efficiency	NA
Affordability	Most Economical	Moderate Price	Premium Price	Premium Price
Warranties (except where specifically noted above)	10 & 20 yr Membrane-Only, 10 & 15 yr Standard, 10 & 15 yr Premium	10 & 20 yr Membrane-Only, 10 & 15 yr Standard, 10 & 15 yr Premium	10 yr Membrane-Only, 10 yr Standard, 10 yr Premium	10 & 15 yr Membrane-Only, 10 & 15 yr Standard, 10 & 15 yr Premium

Refer to Mule-Hide UL & FM listed assemblies for all specific information, or contact Mule-Hide Technical Support 1-800-786-1492.

Contact Mule-Hide Warranty Department for additional requirements on Premium Warranties.



"The name trusted in roofing since 1906."

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