

# EPDM

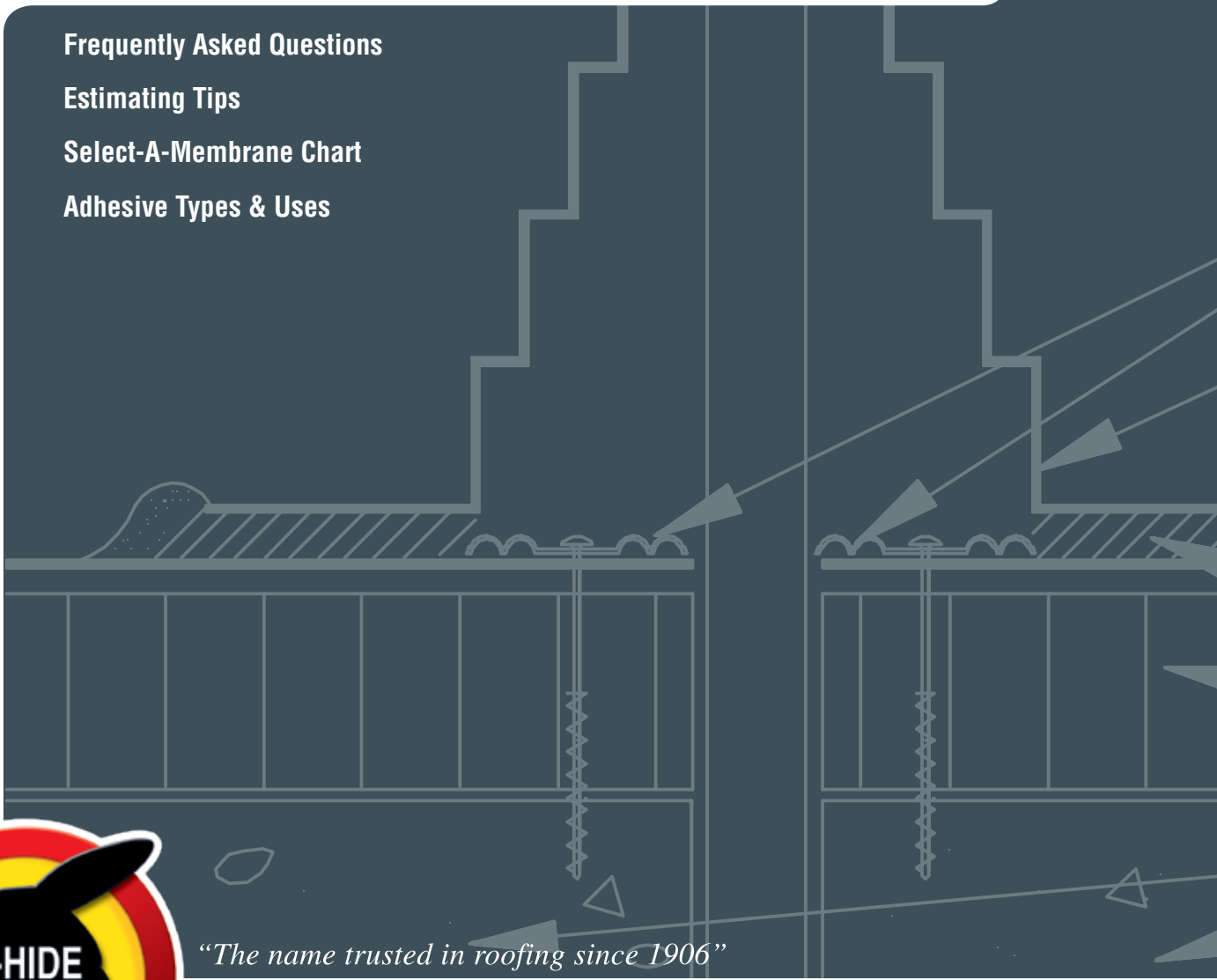
## FAQ'S & REFERENCE GUIDE

Frequently Asked Questions

Estimating Tips

Select-A-Membrane Chart

Adhesive Types & Uses



*"The name trusted in roofing since 1906"*



## FAQ'S ABOUT EPDM ROOFING SYSTEMS

### WHAT IS A SUITABLE SUBSTRATE FOR ACRYLIC WATER-BASE BONDING ADHESIVE APPLICATION?

Plywood, OSB, HD Wood Fiberboard, DensDeck® Prime or SECUROCK®.

### WHAT ARE THE WARRANTY FEES FOR EPDM ROOFING SYSTEMS?

Fees vary depending on the type of warranty desired. Current Fees are listed on Mule-Hide Warranty Application forms which are available on the Mule-Hide website.

### DOES THE CONTRACTOR NEED TO PROVIDE MATERIAL INVOICES ALONG WITH WARRANTY APPLICATIONS?

Specific warranties may require submission of material invoices.

### DOES MULE-HIDE REQUIRE A TOTAL TEAR-OFF FOR LABOR & MATERIAL WARRANTIES?

No, this is not required, but all areas of wet insulation must be replaced with new, dry, similar material, specific warranties may require an independent moisture scan of the roof.

### DOES MULE-HIDE OFFER ANY PRE-JOB "WALK THE ROOF" OR JOB STARTS?

Yes, Mule-Hide Territory Managers offer these services.

### CAN I USE MULE-HIDE ACRYLIC WATER BASE BONDING ADHESIVE TO ADHERE FLASHINGS?

Mule-Hide Bonding Adhesive (solvent based), WBBA 2000 Bonding Adhesive or Low VOC Bonding Adhesive are used as a contact adhesive to adhere flashings to acceptable vertical surfaces.

### WHAT FASTENERS SHOULD BE USED FOR INSULATION ATTACHMENT ON A STEEL OR WOOD DECK?

Drill Point Fasteners (#12) should be used with Mule-Hide 3" Insulation Plates.

### WHAT IF I NEED A SUBMITTAL PACKAGE?

Contact your ABC Sales Associate, Mule-Hide Territory Manager or go to [www.mulehide.com](http://www.mulehide.com) and make a request online.

### WHAT IS IN-SEAM TAPE?

Mule-Hide In-Seam Tape is a cured, butyl based, two-sided adhesive tape that bonds on contact and is 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 IS CURED COVER TAPE?

Mule-Hide 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. It is used to strip in gravel stops and drip aprons metal edging). When applied properly (Mule-Hide Tape Primer must be used), it provides a long lasting, high-performing seal. Cured Cover Tape is also used to strip in field seams, rows of seam plates or batten bars for membrane attachment.

### WHAT IF I NEED TO PROVE MULE-HIDE EPDM MEETS A WRITTEN SPECIFICATION OR COMPLIES WITH A UL, FM OR OTHER CODE REQUIREMENT?

Just provide Mule-Hide with the following information:

- A copy of the specification
- Name & address to whom the letter should be addressed
- Your phone & fax number
- What is the UL/FM requirement?
- Deck type?
- Slope?
- Insulation type and thickness?
- Membrane and system?
- Building location and height?
- Overall dimensions?
- Parapet height?

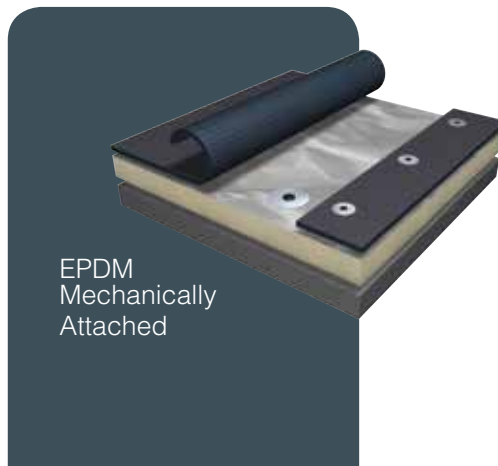
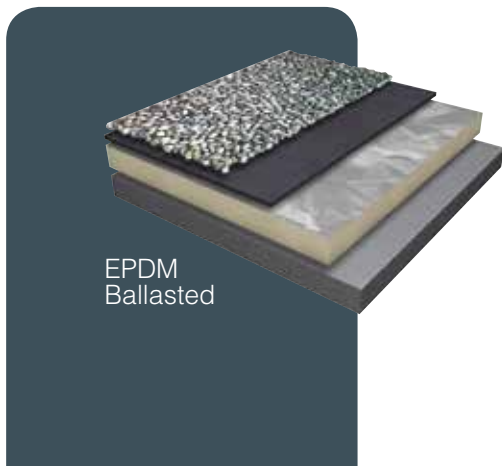
**CONTACT MULE-HIDE PRODUCTS FOR ADDITIONAL INFORMATION OR OTHER QUESTIONS: 800-786-1492**

# SELECT-A-MEMBRANE GUIDE

Roofing System		Membrane		
		Non-Reinforced Black EPDM		
		45 Mil	60 Mil	90 Mil
<b>Ballasted System</b> - Requires a minimum ballast weight of 10 lbs. per sq. ft. or greater (Max. slope: 2:12)		Recommended	Recommended	Optional
<b>Mechanically Attached System</b> - Requires approved deck type (Max. slope: unlimited)		Not Available	Not Available	Not Available
<b>Fully Adhered Systems</b>	<b>Acrylic Water Base Bonding Adhesive</b> (1-sided, wet lay-in application) Requires approved porous substrate (Max. slope: 2:12)	Recommended	Recommended	Optional
	<b>WBBA 2000 Bonding Adhesive</b> (2-sided water base contact adhesive) Requires approved substrate (Max. slope: unlimited)	Recommended	Recommended	Optional
	<b>Bonding Adhesive</b> (2-sided solvent base contact adhesive) Requires approved substrate (Max. slope: unlimited)	Not recommended	Recommended	Optional

Feature/Benefit		45 Mil	60 Mil	90 Mil
<b>Durability</b>		Good	Better	Best
<b>Membrane Lifecycle</b>		Better	Best	Best
<b>Energy Efficiency</b> (Reflects sun, cools building interior)		N/A	N/A	N/A
<b>Affordability</b>		Economical	Moderate	Premium
<b>Warranties</b>	Membrane Only			
	Standard System	15 yr max.	20 yr max.	30 yr max.
	Premium System			

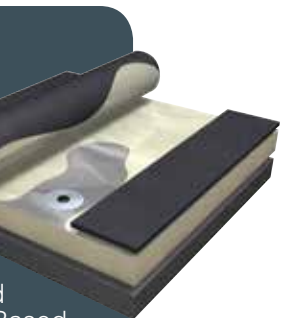
Refer to Mule-Hide UL & FM listed assemblies for all product specific information. Contact Mule-Hide Technical Support for additional information at 800-786-1492.



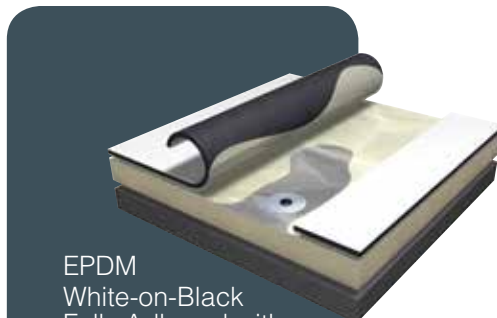
**Membrane Type**

White-on-Black Non-Reinforced EPDM	Reinforced black EPDM	
	45 Mil	60 Mil
60 Mil	45 Mil	60 Mil
Not recommended	Optional	Optional
Not Available	Recommended	Recommended
Recommended	Optional	Optional
Recommended	Optional	Optional
Recommended	Optional	Optional

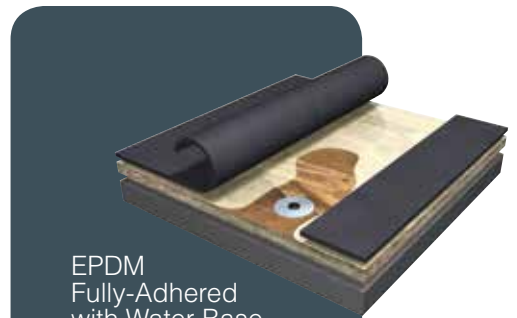
60 Mil	45 Mil	60 Mil
Good	Good	Better
Good	Good	Better
Improved energy efficiency CRRR rated & Energy Star Listed	N/A	N/A
Premium	Premium	Premium
20 yr max.	15 yr max.	20 yr max.



Solvent-Based



EPDM  
White-on-Black  
Fully Adhered with  
Solvent-Based  
Adhesive



EPDM  
Fully-Adhered  
with Water Base  
Bonding Adhesive

# ESTIMATING TIPS



## EPDM ACCESSORIES

## COVERAGE RATES

Adhesives & Sealants	
Acrylic Water Base Bonding Adhesive - 1 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.
Low-VOC Bonding Adhesive - 5 gal., apply 2-sided	60 sq. ft. per gal.
Pourable Sealer (2 part) - 1 gal.	200 cubic inch per gal.
Pourable Sealer (1 part) - 1/2 gal. pouches	122 cubic inch per pouch
Pourable Sealer Pockets – EPDM, 4", 6" or 8"	1 per detail
Single Seal Adhesive - apply 2-sided	60 sq. ft. per gal
Universal Single-Ply Sealant - 10.1 oz. tube	25 linear ft. per tube
WBBA-2000 Bonding Adhesive (water based) - 5 gal., apply 2-sided	60 sq. ft. per gal.
Water Cut-Off Mastic - 11 oz. tube	20 linear ft. per tube
Seaming	
Black Lap Sealant - 11 oz. tube	20 linear ft. per tube
Black Splice Adhesive / White Splice Adhesive - 1 gal., apply 2-sided	50 sq. ft. per gal.
3" In-Seam Tape - black or white	100' long roll
6" In-Seam Tape - black	100' long roll
Low-VOC EPDM Tape Primer - 1 gal.	250 sq. ft. per gal.
Tape Primer - 1 gal.	200 sq. ft. per gal.
Weathered Membrane Cleaner - 1 or 5 gal.	(2) 1 gal. or 5 gal.
Flashings	
6" Cured Cover Tape - black	100 linear ft. per roll
12" Cured Cover Tape - black	50 linear ft. per roll
Pre-cut Inside/Outside Corners (7" x 9" pieces purchased separately) - black	1 per "T" joint
Premolded EPDM Pipe Boots with Clamps (1" to 6" dia.) - black	1 boot per penetration
Premolded EPDM Pipe Boots w/Tape & Clamps (1" to 6" dia.) - black or white	1 boot per penetration
RMS (Reinforced Membrane Strip) - requires use of splice adhesive	6" wide x 100' long roll
RMS with 3" Tape	6" wide x 100' long roll
6" Uncured EPDM Flashing Tape	100 linear ft. per roll
12" Uncured EPDM Flashing Tape	50 linear ft. per roll
Fasteners	
2.4" Seam Plates	1,000 per pail
3" Insulation Plates	1,000 per pail
Drill Point Fasteners (for Insulation only) - #12	1,000/500 per pail*
HDP Fasteners (for membrane/RMS only) - #14	1,000/500/250 per pail*
EHD Fasteners - #15	1,000/500/250 per pail*
Pre-Assembled Fasteners - #12 w/insulation plate	250/200 per pail*
*See price list for fastener length/QTY per pail	
Accessories	
All-Purpose Bar	10 ft. long pieces
HP Protective Mat	15' wide x 300' long
Poly ISO 1 Roof Insulation - flat	4' x 4' or 4' x 8' Sheets
Poly ISO 1 Roof Insulation - tapered	4' x 4' Sheets
Poly ISO 2 Roof Insulation - flat	4' x 4' or 4' x 8' Sheets
Poly ISO 2 Roof Insulation - tapered	4' x 4' Sheets
Mate-Line Tape - white, black	6" or 12" x 100'
Rubber Paver Blocks - black, terra cotta	24" wide x 24" long
Pre-Taped Walkway Pads - black, white	30" wide x 30" long
Yellow Warning Strip	12" wide x 100' long roll
DensDeck®	4' x 8' Sheets
DensDeck® Prime	4' x 4" or 4' x 8' Sheets
SECUROCK®	4' x 8' Sheets

## ADHESIVE TYPES & USES

### WATER BASED ADHESIVES

Acrylic Water Base Bonding Adhesive is used for single-side, wet, horizontal application of EPDM to acceptable HD wood fiberboard, plywood, OSB, DensDeck® Prime or SECUROCK®. Low temperature restrictions apply to this product.

WBBA 2000 Bonding Adhesive is a two-sided water based bonding adhesive used to adhere EPDM, TPO and PVC membranes to approved surfaces. WBBA 2000 may be used as a one-sided, wet lay-in adhesive with Mule-Hide Fleece Backed membranes. Low temperature restrictions apply to this product.

### SOLVENT BASED ADHESIVES

Bonding Adhesive (solvent base) to fully adhere EPDM and flashing materials to acceptable rigid insulation boards, metal, wood, masonry, & other acceptable substrates on both horizontal & vertical surfaces.

Low VOC Bonding Adhesive is a high strength solvent-based contact adhesive that allows bonding of EPDM and TPO membrane to various porous and non-porous substrates. It is specially formulated using a blend of VOC exempt and non-exempt solvents to meet the < 250 g/l VOC content requirements of the OTC Model Rule for Single Ply Roofing Adhesives.

Black Splice Adhesive/White Splice Adhesive is a contact adhesive to adhere seams of EPDM and uncured flashing material to EPDM. May be only used for projects requesting up to 10 year System Warranties.



*“The name trusted in roofing since 1906”*

**Customer Line: 800-786-1492 • [www.mulehide.com](http://www.mulehide.com)**

*Check our website monthly for the latest updates & technical bulletins.*

**National Support Center • 1195 Prince Hall Drive • Beloit, WI 53511 • tel. 608.365.3111 • fax. 608.365.7852**

The information herein should not be considered all-inclusive and should always be accompanied by a review of the Mule-Hide specifications and guidelines and good application practices.

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