

MODULAR

ROOFING SYSTEMS

MODULAR LOW-SLOPE ROOFING REQUIRES CUSTOM PRODUCTS, CUSTOM FIT

- The materials you need
- The sizes you need
- Ready to install
- Just in time
- Less labor to install
- Less material waste
- Improved bottom line



"The name trusted in roofing since 1906"



OUR PROMISE

MULE-HIDE PROFESSIONAL ROOFING SYSTEMS ARE DESIGNED SPECIFICALLY FOR MODULAR STRUCTURES & ARE SOLD NATIONWIDE & IN CANADA AT LOCAL DISTRIBUTORS NEAR YOUR PLANTS AND OFFICES.

- Special cutting equipment and special roll sizes at our distributors offer you just in time single-ply membranes, ready to install
- EPDM, TPO and PVC
- Acrylic Water Base Bonding Adhesives are a must for indoor plant production. Its single-side wet lay-in or two-sided contact adhesion are ideal for fast installation keeping factory lines moving
- Non-penetrating Self-Bridging Mate-Line™ is ideal for joining modular units
- Edge Metal & Accessories for single-ply roofing systems
- PyroXL® Roof Deck Panel and FR Deck Panel
- Elastomeric Acrylic Coatings

TRAINING & SUPPORT

- Hands-on in-plant factory installation training
- Field setup & dismantling training
- Roofing contractor referrals available
- UL & FM listed assemblies available

WARRANTY PROGRAM

Mule-Hide offers an extensive warranty program with several options for modular commercial projects including Membrane Warranties, Standard System Warranties and Premium System Warranties. Complete information on the warranties can be found at our website: www.mulehide.com under the Modular Manufacturers & Dealers visitor type section.

A Mule-Hide representative inspects all modular commercial projects for which a Standard System Warranty or a Premium System Warranty is requested prior to the issuance of the warranty. To be eligible for a System Warranty (either Standard or Premium), the modular manufacturer or the modular dealer installing the System must become qualified as a Mule-Hide Warranty Eligible Applicator.



EPDM SYSTEM BENEFITS

EASY TO INSTALL & RETROFIT

Mule-Hide EPDM Roofing Systems install quickly and economically. UL & FM listed assemblies are available upon request. Non-penetrating Self-Bridging Mate-Line™ is ideal for joining modular units.

FAST ROOFS

The EPDM membrane is fully adhered with Mule-Hide Acrylic Water Base Bonding Adhesive, a must for in-plant installation. Its single-side, wet application requires fewer workers and offers easier sheet positioning. All the accessories you need to complete roof details around edges and penetrations are also stocked locally for delivery along with your EPDM.

STRENGTH

EPDM is a high tensile strength, single-ply membrane ideal for long-term watertight integrity. EPDM is lightweight, making it ideal for new construction and retrofit installations without adding excessive weight to the roof deck. Meets or exceeds ASTM standards.

NOISE REDUCTION

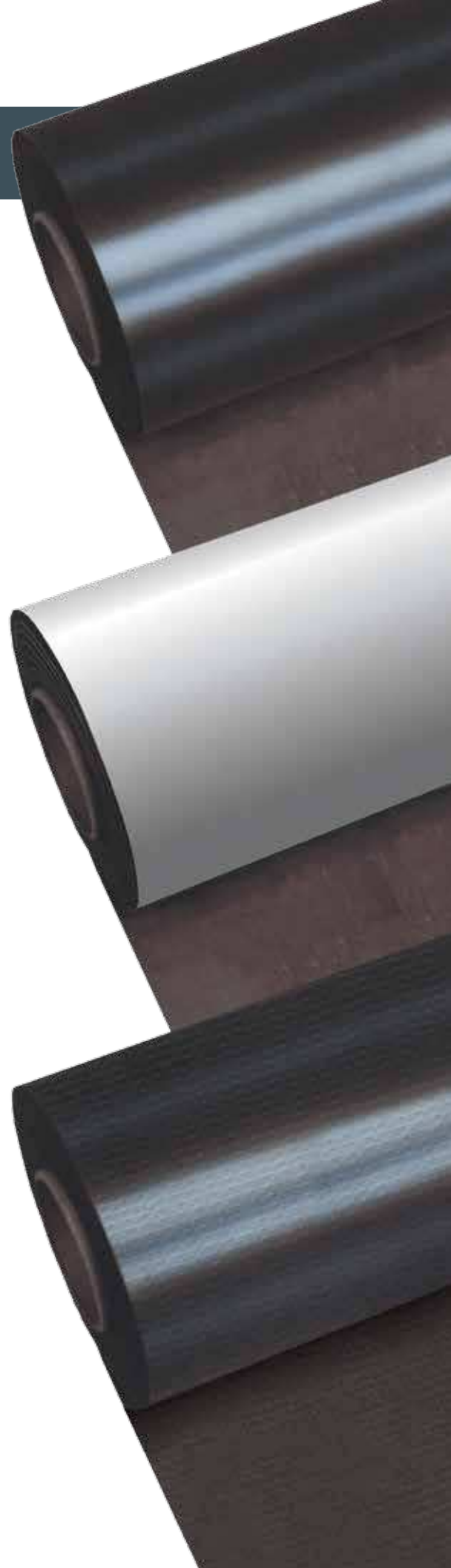
Decrease “roof rumble” while it protects against leaks. Mule-Hide insulated roofing system for modular structures lowers the noise made by rain and hail or wind.

FLEXIBILITY

The membrane remains flexible in hot and cold temperatures and will not split or crack.

LONG LIFECYCLE

It provides excellent resistance to ozone and UV and can handle the coldest winters or the desert heat.



EPDM MEMBRANES

THE EPDM SYSTEMS YOU NEED FROM THE PEOPLE YOU TRUST

Traditionally, single-ply roofing is one-size-does-it all. Yet more and more modular manufacturers and dealers are reaping the benefits of Mule-Hide Professional Roofing Systems custom sizes to fit modular structures.

BLACK EPDM 45 MIL OR 60 MIL (NON-REINFORCED)

- Custom cuts or master rolls with modular industry sheet sizes
- Use with Acrylic Water Base Bonding Adhesive - fast installation keeps factory lines moving!
- Fully-adhered application is required

WHITE-ON-BLACK EPDM 45 MIL (NON-REINFORCED)

- Reflects the sunlight & cools the building interior - leading to lower BTU usage and energy costs
- Custom cuts or master rolls with modular industry sheet sizes
- Fully-adhered application is required
- CRRC rated and Energy Star listed



Black EPDM
Fully Adhered
with Acrylic Water Base
Bonding Adhesive



White-On-Black
EPDM Fully Adhered with
Acrylic Water Base Bonding
Adhesive over PyroXL® Roof
Deck Panel



EPDM ACCESSORIES

**Acrylic Water Base
Bonding Adhesive**



**WBBA 2000
Contact Bonding Adhesive
(water based)**



**Bonding
Adhesive
(solvent based)**



**Low-VOC Bonding
Adhesives**



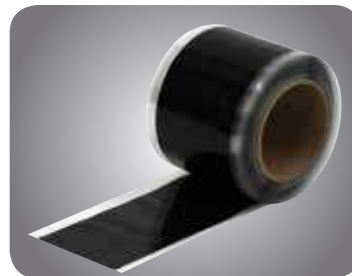
**Pipe Boots
(with or without tape)**



**Self-Bridging
Mate-Line™**



In-Seam Tapes



**Pre-Cut Inside/Outside
Corners**



(the four products above come in white or black and in various sizes)

**Universal
Single-Ply Sealant**



**Black
Lap Sealant**



**Weathered
Membrane Cleaner**



Tape Primer



ADDITIONAL ACCESSORIES ARE AVAILABLE

SELF-BRIDGING MATE-LINE™ PRODUCT BENEFITS

EASY TO INSTALL

Setup crews quickly learn how to install and dealers love its economical speed of installation and dismantling.

FLEXIBILITY

Self-Bridging Mate-Line stays flexible in hot and cold temperatures and will not crack from building movement.

STRENGTH & PERFORMANCE

This pressure-sensitive adhesive tape with built-in bridging material provides rigidity within the mate-line to eliminate additional support materials.

LONG LIFECYCLE

Stands up to UV rays and the punishment of rain, hail and wind.



Self-Bridging Mate-Line™
over EPDM and PyroXL® Roof
Deck Panel



Available in white or black
in 9", 12" or 18" roll width
with 65' or 100' length

MULE-HIDE WHITE SINGLE-PLY MEMBRANES



EASY TO INSTALL & RETROFIT

Mule-Hide roofing systems install quickly and economically. All the accessories you need to complete roof details around edges and penetrations are also stocked locally for delivery along with your membrane. UL & FM listed assemblies are available upon request for some products.

ENERGY EFFICIENT ROOFS

White surfaces have been shown to reflect up to 78% of the sun's rays to reduce air-conditioning costs. The superb reflectivity of white TPO even reduces the heat build-up under the membrane.

STRENGTH

Keeps moisture out, yet lightweight—ideal for new construction and retrofit installations without adding excessive weight to the roof deck. Mule-Hide membranes can handle the desert sun, sand, Arctic freezes and torrential downpours.

QUIET PROTECTION

Reduce “roof rumble” while protecting against leaks. Mule-Hide insulated roofing system modular structures can decrease the noise made by rain and hail or wind.

FLEXIBILITY

The membrane remains flexible in hot and cold temperatures and will not split or crack.

LONG LIFECYCLE

Provides excellent resistance to fire, UV, airborne bacteria and industrial pollutants such as air-conditioning coolants.

REPAIRABLE

These membranes remain repairable year after year, allowing for ease of future cutouts and tie-ins during retrofit and/or setup & dismantling. Stands up to rooftop traffic, tools and equipment. Can be power washed to retain like-new appearance.

**LEARN MORE ABOUT OUR WHITE
MEMBRANE OFFERINGS ON
NEXT TWO PAGES**

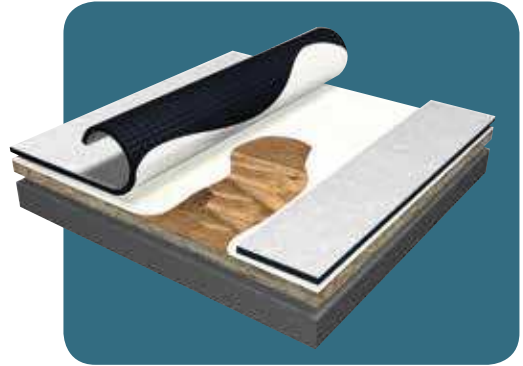
TPO PRODUCT INFORMATION

THE AFFORDABLE WHITE ROOF!

- Thermoplastic polyolefin based for superior strength and weatherability
- More product on the top of the scrim where you need it most, one of the thickest top plies in the industry
- Reinforced membranes offer watertight integrity you can count on
- Mule-Hide TPO is CRRC rated and Energy Star listed

THE PERFORMANCE OF RUBBER WITH HEAT-WELDED SEAMS:

TPO has the weathering capability of EPDM with the superior seam strength of heat weldable membranes!

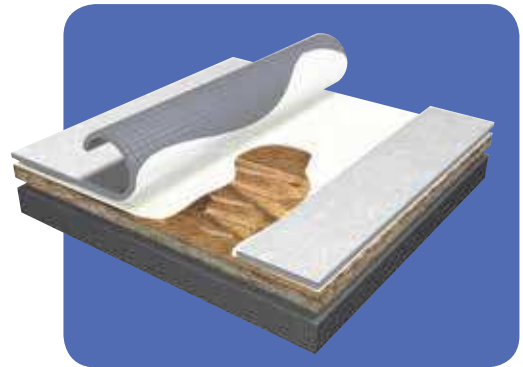


TPO Fully Adhered with WBBA 2000 Contact Bonding Adhesive

PVC PRODUCT INFORMATION

THE PREMIUM WHITE ROOF!

- 50-mil custom-size rolls with prefabricated seams
- Saves labor costs verses traditional modular factory seaming
- Mule-Hide PVC is CRRC rated and Energy Star listed



PVC Fully Adhered with WBBA 2000 Contact Bonding Adhesive



TPO / PVC ACCESSORIES

**HydroBond
Water-Based PVC Bonding
Adhesive**



**WBBA 2000
Contact Bonding Adhesive
(water based)**



**TPO Bonding Adhesive
(solvent based)**



**Low-VOC Bonding
Adhesives**



T-Joint Patches



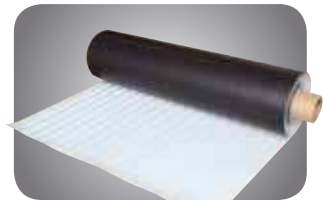
Non-Reinforced Flashings



Reinforced Cover Strips



Walkway Rolls



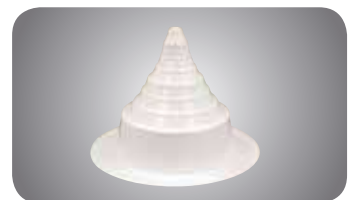
Cover Tape



Universal Corners



Pipe Boots



**Universal
Single-Ply Sealant**



**Cut Edge
Sealants
(TPO & PVC)**



**Weathered
Membrane Cleaner**



**Low-VOC TPO
Primer**



MANY ADDITIONAL ACCESSORIES ARE AVAILABLE

EDGE METAL & ACCESSORIES FOR SINGLE-PLY ROOFING SYSTEMS



1-3/4" AND 4" FASCIA COVER

- End-notched for trouble-free piece-to-piece docking
- Use with 1-3/4" and 4" vinyl fascia bar
- Pre-mitered inside and outside corners are ready to assemble
- 1-3/4" Fascia Cover FM Approved 1-990
- 4" Fascia Cover FM Approved 1-825
- EPDM, TPO and PVC available in 29 Kynar® Colors
- Meets ANSI/SPRI ES-1 RE-2 testing requirements

For 24 ga. steel cover: 1-3/4" Average Achieved Pressure (AAP) 1160 lb/ft²
4" AAP 990 lb/ft²

For .040 aluminum cover: 1-3/4" AAP 300 lb/ft²
4" AAP 300 lb/ft²



4" FLEX FASCIA COVER

- Pre-notched grooves allow fascia cover to easily snap over radial surfaces
- Can be installed on both inside and outside radius edges
- Use with 4" vinyl fascia bar
- Available in 10' lengths
- EPDM, TPO and PVC available in 29 Kynar® Colors



DRIP EDGE

- Provides visually appealing termination
- Profiles can be custom fabricated to meet most specifications
- TPO available in white coated metal with 6" attached skirt
- PVC available in white, tan or gray coated metal with 6" attached skirt
- Available in 29 Kynar® colors for EPDM systems
- Available in 10' lengths; 2" through 6" widths
- Meets ANSI/SPRI ES-1 RE-2 testing requirements

For galvanized membrane coated metal: 3" AAP 206 lb/ft²
4" AAP 316 lb/ft²
5" AAP 316 lb/ft²
6" AAP 316 lb/ft²
7" AAP 236 lb/ft²
8" AAP 236 lb/ft²

For aluminum membrane coated drip edge: 3" AAP 300 lb/ft²
4" AAP 300 lb/ft²
5" AAP 300 lb/ft²
6" AAP 223 lb/ft²
7" AAP 180 lb/ft²
8" AAP 180 lb/ft²



ARCHED DRIP EDGE

- Provides a smooth finish that is an aesthetically pleasing alternative to traditional piecing
- Available in 5' through 10' lengths; 3" through 8" widths depending on building's arch specifications
- PVC coated roof flange enables welding a separate skirt to both the flange and the installed roof membrane to provide watertight seal
- Available in 29 Kynar® colors for EPDM and TPO systems
- PVC available in white, tan or gray coated metal

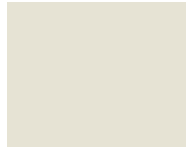
SCUPPERS, GUTTER AND OTHER ACCESSORIES AVAILABLE

COLOR SELECTION CHART

Standard Colors



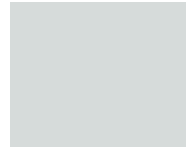
Sandstone
24 ga / .040 alum
.050 alum



Solar White
24 ga / .040 alum
.050 alum



Stone White
24 ga / .040 alum



Regal White
24 ga / .040 alum
.050 alum



Sierra Tan
24 ga / .040 alum
.050 alum



Colonial Red
24 ga / .040 alum



Aged Copper
24 ga



Regal Blue
24 ga



Evergreen
24 ga / .040 alum



Ash Gray
24 ga



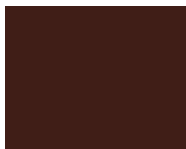
Slate Gray
24 ga / .040 alum
.050 alum



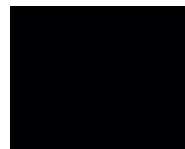
Medium Bronze
24 ga / .040 alum
.050 alum



Dark Bronze
24 ga / .040 alum
.050 alum



Mansard Brown
24 ga / .040 alum



Matte Black
24 ga

Premium Colors



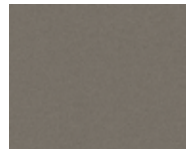
Silver Metallic
24 ga / .040 alum
.050 alum



Champagne Metallic
24 ga



Copper Metallic
24 ga



Pre-weathered Galvalume
24 ga



Regal Red
24 ga



Galvalume Plus
24 ga

Special Order Colors



Surrey Beige
24 ga



Charcoal Gray
24 ga



Dove Gray
24 ga



Slate Blue
24 ga



Patina Green
24 ga



Hartford Green
24 ga / .040 alum



Terra Cotta
24 ga / .040 alum
.050 alum



Burgundy
24 ga

Colors shown are matched as accurately as possible, but may vary slightly from finished product.

ROOF DECK PANELS

PYROXL® Roof Deck Panel FOR CLASS C ASSEMBLY

FIRE RESISTANCE

Not a paint, not a coating, not a laminated surface—the entire plywood roof deck panel is pressure impregnated with a UL Classified fire retardant. Mule-Hide PyroXL® Roof Deck Panel can provide a Class C assembly up to a 2:12 slope plus high wind uplift ratings.

SHORTER LEAD TIMES

Five strategically aligned shipping points throughout North America decrease the likelihood of a backlog during peak season.

SAVE MONEY ON SAW BLADES

Mule-Hide PyroXL® Roof Deck Panel is cut with standard saw blades instead of carbide-tipped blades.

CREATE A HEALTHIER ENVIRONMENT

Releases no fiberglass, no airborne glass fibers nor crystalline silica when cutting.

DECREASE POTENTIAL INJURIES

Each board is up to 9 pounds lighter than comparable Class C products for safer material handling.

LIGHTER LOADS

Lighter overall installed roof weight at 1.56 lbs/sq.



*Modular roofing system
warranties are available*

FR DECK PANEL

FOR CLASS A ASSEMBLY

MEET CODE REQUIREMENTS

FR Deck Panel A can provide a Class A assembly up to 1/2" per foot slope. FR Deck Panel A can provide a Class A assembly up to 1/2" per foot slope.

DURABILITY AND CORROSION RESISTANCE

The fire resistant treatment is factory-applied to OSB or plywood using a proprietary process. Under normal construction and application conditions, the treatment will not flake, crack or peel and has more resistance to abrasion than stock OSB or plywood. The treatment will not promote corrosion of nails, staples or screws.

EASE OF APPLICATION

The panel is attached in the same manner as stock OSB or plywood (7/16") following appropriate building code requirements. The panel may be easily cut to size, drilled, nailed, screwed, or stapled in place as building code and design requirements permit. EPDM is easily fully adhered to the FR Deck Panel using Acrylic Water Base Bonding Adhesive.

STRENGTH

APA independent third party testing has verified that the FR Deck Panel is stronger than stock sheathing. All panels carry span rating stamps from building code-approved agencies, including APA.



ELASTOMERIC ACRYLIC COATINGS PRODUCT BENEFITS

FLEXIBILITY

Remains flexible in hot and cold temperatures (from -45°F to 200°F) and will not crack or blister like non-elastomeric paints & coatings.

EXTENDS LIFE OF ROOF

No more frequent repainting & reroofing. Advances in polymer chemistry have resulted in the professional quality products that protect a modular dealer's lease fleet assets by extending the life of the existing metal roofs. Contains little VOCs (volatile organic components), a plus for the environment.

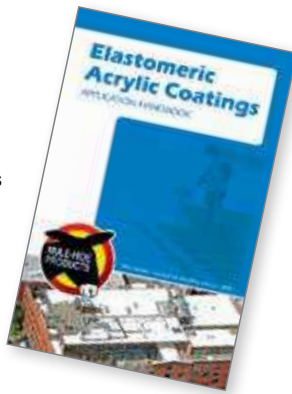
BEAUTIFUL STRENGTH

Excellent roof protection and appearance. Seals moisture out, yet adds virtually no weight making it ideal for retrofit application. Resists chalking, mold, and mildew, and has exceptional UV resistance.

EASY TO REPAIR

Scrapes or gouges in coated areas are usually repaired simply by cleaning and applying new product to the damaged area where it bonds to the existing coating. Refer to the Mule-Hide Elastomeric Acrylic Coatings Application Handbook for proper application procedures.

Elastomeric Acrylic Coatings Application Handbook



ENERGY EFFICIENT ROOFS

Mule-Hide white A-300 Finish has been independently tested to EPA guidelines with results of initial solar reflectance values up to 86% and 3 year aged values up to 72; plus emissivity values of 91%. Can reduce surface temperatures on metal roofs by as much as 50°F and interior temperatures by 15°F. A-300 Finish is CRRCC rated and Energy Star Listed.



METAL ROOF COATING SYSTEM



BASE COAT FOR AGED TPO MEMBRANE



EPDM RESTORATION SYSTEM™



DECTEC® WALKABLE MEMBRANE PVC PRODUCT BENEFITS

EASY TO INSTALL

Few field seams with 76" wide x 100' roll sizes (600' master rolls or custom cut rolls are available). Seams are hot air welded. DecTec® Walkable PVC Systems install quickly and economically in new installations as well as add-on & retrofit installations. Fully adhered using approved adhesives.

ECONOMICAL

Minimal maintenance combined with proven longevity equals low life-cycle costs based on an annual expense when compared to alternate walkable roofing options.

ENVIRONMENTALLY FRIENDLY

Long life span reduces repeated replacement & use of paints or chemicals.

MAINTENANCE FREE

Requires only bristle brush, light detergent to clean and remove leaves and debris.

STRENGTH

A PVC membrane reinforced and coated to a polyester fabric mat through a spreadcoating process provides durability plus UV, mildew & salt resistance.

ACCESSORIES

DecTec specific accessories are required (adhesives, flashing, corner, etc).

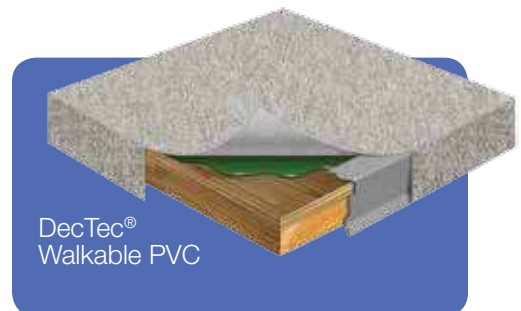
DECTEC® WALKABLE MEMBRANE PVC PRODUCT INFORMATION

VIRTUALLY MAINTENANCE FREE

Pedestrian traffic solutions are easy with DecTec® Walkable PVC. Eliminates the constant maintenance of a framed deck built on top of a roofing product, or a below deck gutter and trough drainage system. It can be used directly over living areas. Ideal for sundecks, patios, balconies, roof decks, bathhouses and garage decks.

DECTEC® WALKABLE PVC 60 MIL

- Waterproof deck and roof membrane
- Durable—ideal for high-traffic decks including decks in Sunbelt where increased UV protection is needed
- 10-year material warranty available



GRANITE



BRICK



BRONZE



COOLSTEP

WHY MULE-HIDE

MULE-HIDE OFFERS NEW OR RETROFIT PROFESSIONAL ROOFING TO MEET THE INCREASINGLY STRINGENT CODES, WHILE MEETING THE UNIQUE NEEDS OF MODULAR STRUCTURES.

- Fast roofs – designed for in-plant manufacturing or reroofing of modular structures
- Workforce retention – easy to learn, solvent-free installations
- Product availability – nationwide distribution for USA and Canada
- Local custom-cut membranes with just-in-time delivery



Contact Mule-Hide Products for specific product approvals and ratings. Featured industry association/organization logos are U.S. registered trademarks. Energy Star is only valid in the United States for Roofing Products.

“The name trusted in roofing since 1906”

Customer Line: 800-786-1492 • 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



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