

Fleece Back Recovery System

Understanding the Benefits



The Right Choice for Low-Slope Roofing Products

800-786-1492 • mulehide.com

Rugged • Time-Tested • Weather-Tested

Direct Application Permitted

- No cover board required over approved substrates
- Existing Aged Single-Ply (EPDM, TPO Hypalon)^{1,2}
- Existing Modified Asphalt System

Aesthetics

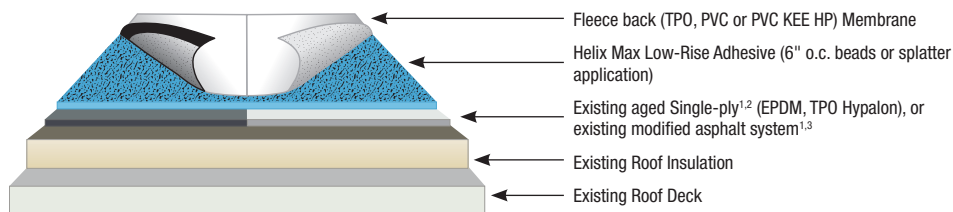
- Fleece backing significantly helps to protect from asphalt staining when membrane is installed directly over Modified Asphalt Systems^{1,3}

Puncture and Hail Resistance

- Up to 50% superior puncture resistance compared to smooth back single-ply membranes



Adhered Fleece back Recovers



Difficult or Problematic Decks to Fasten to

Adhered Fleece back recovers eliminate not only cost of cover board,^{1,2,3} but also more expensive and labor intensive fasteners and plates associated with decks such as concrete, cementitious wood fiber and gypsum.

Regulation Friendly

2-part urethane adhesive (Helix Max) is VOC and HFC free - perfect for states where regulations are in place.

Minimal Owner Disturbance

Helix Max Adhesive application is quiet and have very low odor.

Calculate Cost Savings vs. Traditional Adhered Recover

| Traditional Adhered Recover | Fleece Back Adhered Recover |
|--|--------------------------------------|
| ✓ Cover board | ✗ Cover board (not required) |
| ✓ Fasteners & plates to secure cover board | ✗ Fasteners & Plates (not required) |
| ✓ Smooth backed membrane adhesive | ✓ Helix Max 2-part urethane adhesive |
| ✓ Smooth backed membrane | ✓ Fleece back membrane |

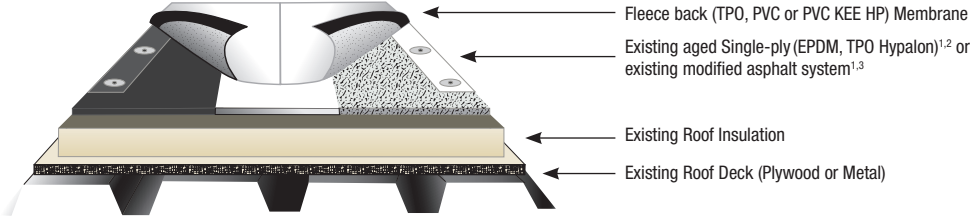
¹Contact Mule-Hide for specific requirements on direct recover applications.

²Not acceptable over existing PVC or KEE roof membrane.

³Existing smooth surface BUR (Type III or IV Asphalt), smooth surface modified-bitumen or mineral surface cap sheet. Not permitted if existing modified asphalt system is aluminum coated.

Fleece Back Recovery System

Mechanically-Attached Fleece back Recovers



Mechanically-Attached Fleece back recovers are most ideal over steel or wood roof decks that achieve proper pullout values - Mechanically attaching the Fleece back membrane directly over substrate^{1,2,3} can eliminate the cost and labor associated with both cover boards and adhesives.

Calculate Cost Savings vs. Traditional Adhered Recover

| Traditional Mechanically Attached Recover | Traditional Fleece Back Mechanically Attached Recover |
|--|---|
| ✓ Cover board | ✗ Cover board (not required) |
| ✓ Fasteners & plates to secure cover board | ✗ Fasteners & Plates (not required) |
| ✓ Smooth backed membrane | ✓ Fleece back membrane |

NDL (No Dollar-Limit warranties available)

- Available on Commercial Only (Contact Mule-Hide for terms and limitations)
- Covers labor and materials, and is not limited to the original installed cost.
- Must be installed by a Mule-Hide warranty eligible applicator
- Requires inspection by a Mule-Hide technical representative

Residential Material Only Warranties Available



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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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