

Design Enhancements

Single-Ply Membranes

WARRANTY TERM		10-15 YR	20 YR	25 YR	30 YR
	45 mil Membrane (EPDM, TPO, TPO Fleece Back)	*			
	50 mil Membrane (PVC, PVC Fleece Back)	*			
	50 mil Membrane (PVC KEE, PVC KEE Fleece Back)	*	*		
MEMBRANE OPTIONS	60 mil Membrane (TPO SA, TPO Colorway, PVC, PVC Fleece Back)	*	*		
	60 mil Membrane (EPDM, EPDM SA, TPO, TPO SA, TPO FleeceBack)	*	**	**	
	60 mil Membrane (PVC KEE, PVC KEE Fleece Back)	*	*	**	
	75 mil Membrane (EPDM)	*	*	**	**
	80 mil Membrane (TPO, TPO SA, TPO Fleece Back, PVC, PVC Fleece Back, PVC KEE,				
	PVC KEE Fleece Back)	*	*	*	**
	80 mil Membrane (TPO Colorway)	*	*		
	90 mil Membrane (EPDM)	*	*	*	**

	Ballasted (EPDM)	*	*	*	*
	Ballasted (TPO, TPO Fleece				
	Back)	*	*		
	Fully Adhered (EPDM, TPO,				
	TPO Fleece Back, PVC, PVC				
SYSTEM	Fleece Back, PVC KEE, PVC				
OPTIONS	KEE Fleece Back)	*	*	*	*
	Mechanically Fastened				
	(EPDM, TPO, TPO Fleece				
	Back, PVC, PVC Fleece Back,				
	PVC KEE, PVC KEE Fleece				
	Back)	*	*	*	*

Single-Ply Warranty Design Enhancements

	T-Joint Patches	*	**	**	**
	Field/Wall Transition Patches	*	**	**	**
	Field Fabricated Detail				
	Accessories	*	*		
TDO /D) /C	Prefabricated Detail				
TPO/PVC	Accessories	*	*	**	**
FLASHING	Enhancements to Sealant				
ENHANCEMENTS	Pockets and Termination Bars			**	**
	Pressure Sensitive Metal Edge				
	Details	*	*		
	Welded Clad-Metal Edge				
	Details	*	*	**	**
	Details				
	Field Seams w/ 3" tape	*	*		
	Field Seams w/ 6" tape	*	*	**	**
	Lap Sealant	*	*	**	**
EPDM SEAM	Details Double Wrapped	*	*	**	**
AND FLASHING	T-Joint Patches	*	*	**	
ENHANCEMENTS	Enhancements to Sealant				
EINHAINCEIVIEINIS	Pockets and Termination Bars			**	**
	90-Mil Details (when 90-mil is				
	used)	**	**	**	**
				•	
	Acrylic Water Based Bonding				
	Adhesive (EPDM)	*	*		
	Aqua Base 120 (EPDM, TPO)	*	*		
	HydroBond PVC Bonding				
	Adhesive	*	*		
	Bonding Adhesive (EPDM)	*	*	*	*
	TPO Bonding Adhesive	*	*	*	*
	AeroWeb Low VOC Adhesive				
ADHESIVE	(EPDM, TPO)	*	*	*	*
	AeroWeb Low VOC PVC				
OPTIONS	Adhesive	*	*	*	*
	X-23 EPDM Adhesive	*	*	*	*
	Low VOC 1168 Bonding				
	Adhesive (EPDM, TPO)	*	*	*	*
	Low VOC Bonding Adhesive				
	LOW VOC Bolluling Autlesive				
	(EPDM, TPO)	*	*	*	*
		*	*	*	*
	(EPDM, TPO)	*	*	*	*

Single-Ply Warranty Design Enhancements

	As-Built Projects	*	*		
SUBSTRATE	Recover Existing Roof	*	*	*	
REQUIREMENTS	New construction/Tear off				
	existing roof system	*	*	*	**
	Shop-Manufactured Metal				
METAL	Flashings	*	*		
FLASHINGS	ES1 Pre-Manufactured Metal				
	Flashings	*	*	**	**

SINGLE * = CAN BE USED FOR THIS WARRANTY TERM
DOUBLE ** = REQUIRED TO USE FOR THIS WARRANTY TERM

Deck Type / Typical Fastener

- Existing deck type can impact the warranty terms available, refer to these criteria in the system specifications.
- Refer to Specifications and Single-Ply Attachment Guidelines for minimum pullout criteria and fastener requirements.

Slope Requirement/Drainage

- 1. Positive drainage required.
- 2. 1/4" per horizontal foot preferred.

Warranted Wind Speed (Maximum Peak Gusts)

• For peak wind speed coverage greater than 55 mph, refer to Mule-Hide's specifications for specific criteria.

NOTES:

- 1. These guidelines to for enhancements to the basic Mule-Hide Specifications, as written in the Mule-Hide Specification Manual. Refer to the Mule-Hide Specification Manual for complete specifications and details.
- Standard membrane colors only (White, Tan, Grey). For any other color options, consult Mule-Hide for warranty requirements.
- 3. The information contained in this document is general information. Requirements may be different for each specific job based on the conditions of each building. Always contact Mule-Hide Technical Department to review the specific job conditions prior to bidding.
- 4. Projects on structures greater than 100' in height, or in special wind zones (ie. Florida or the Gulf Coast) should be reviewed with the Mule-Hide Technical Services Department prior to project start to ensure that potential enhancements can be accommodated. System warranties require the use of Mule-Hide labeled components, products supplied by Mule-Hide, or Mule-Hide approved products prior to the start of the project. If specific code requirements such as Factory Mutual (FM) or Underwriters Laboratory (UL) are required, contact Mule-Hide Technical Services Department.