



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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Mule-Hide Products Co., Inc.
1195 Prince Hall Dr.
Beloit, WI 53511

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Mule-Hide Products Underlayments

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 5.

The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 21-0406.04
Expiration Date: 07/03/24
Approval Date: 08/19/21
Page 1 of 5

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Underlayment
Material: SBS

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Shur-Gard MU Force HT <i>Manufacturing Location # 1</i>	39-3/8" x 61' rolls Nominal 75 mil.	TAS 103 ASTM D1970	Flexible, fiberglass reinforced, self-adhering rubberized asphalt membrane with a polymer film on the surface and a removable treated release film on the adhesive side.
Shur-Gard MU Ultra HT <i>Manufacturing Location # 1</i>	3' x 66' rolls Nominal 75 mil.	ASTM D1970	SBS polymer modified, reinforced, synthetic-surfaced metal underlayment with a removable siliconized split release film on the adhesive side.
Shur-Gard TU Force HT <i>Manufacturing Location # 1</i>	39-3/8" x 61' rolls Nominal 80 mil.	TAS 103 ASTM D1970	Self-adhering, non-woven fiberglass mat with dual SBS polymer modified High Temp underlayment for use on tile and metal roofs.
Shur-Gard TU Ultra HT <i>Manufacturing Location # 1</i>	39-3/8" x 61' rolls Nominal 80 mil.	TAS 103 ASTM D1970	Self-adhering, non-woven fiberglass mat with dual SBS polymer modified High Temp underlayment for use on tile and metal roofs.
Shur-Gard #40 Base Sheet <i>Manufacturing Location # 2</i>	36" x 72" rolls	ASTM D2626	Saturated with asphalt and then coated on both sides with weathering grade coating asphalt and then covered on top with mineral surface fines to prevent sticking in the roll.

MANUFACTURING LOCATION

1. Pryor, OK.
2. Shaftner, CA



EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Construction Materials Technologies LLC	GAPR-018-02-01	ASTM D1970	09/27/17
	GAPR-029-02-01	ASTM D1970	06/19/18
	GAPR-030-02-01	ASTM D1623	01/25/19
	GAPR-034-02-01	ASTM D1623	03/01/19
	GAPR-034-02-02.1	TAS 103/TAS 110	08/28/20
	1047T0001.1	ASTM D1970	08/28/19
	1047T0004.1	TAS 103/TAS 110	08/28/20
	1047T0017	ASTM D1970	03/06/20
	1047T0020	ASTM D1970/TAS 110	07/22/20
		ASTM D4798	
	1047T0011	TAS 103/TAS 110	01/06/20
	1047T0012	TAS 103/TAS 110	01/30/20
	1047T0019	TAS 103	07/22/20
	1047T0035	TAS 103	03/03/21
	1047T0039	ASTM D2626	03/03/21
	1047T0040	ASTM D1970	05/17/21
	1047T0041.1	TAS 103/TAS 110	08/09/21

APPROVED ASSEMBLIES

Deck Type 1:	Wood, non-insulated
Deck Description:	¹⁹ / ₃₂ " or greater plywood or wood plank
System E(1):	Anchor sheet mechanically fastened deck, membrane adhered and backnailed.
Base Sheet:	One or more plies of ASTM D 226 Type II or Shur-Gard #40 Base Sheet or ASTM D 2626 with a minimum 4" side lap and a 6" end lap mechanically fastened to deck with approved nails and tin caps 6" o.c. at the laps and two staggered rows 12" o.c. the field of the roll.
Membrane:	One or more plies of Shur-Gard MU Force HT, or Shur-Gard MU Ultra HT underlayment with a minimum 4" side lap and minimum 6" end lap staggered min. 6' from the preceding course or one or more plies of Shur-Gard TU Force HT or Shur-Gard TU Ultra HT underlayment with a minimum 4" side lap and minimum 6" end lap staggered min. 6' from the preceding course. Shur-Gard TU Force HT end laps shall be sealed with Mule-Hide #420 Mod Bit Adhesive – Brush Grade or Mule-Hide #421 Mod Bit Flashing Adhesive – Trowel Grade or similar product.
Surfacing:	Approved Roof Assemblies. See Limitations #3, #4, #5 and #6.



LIMITATIONS:

1. Fire classification is not part of this acceptance.
2. This acceptance is for prepared roofing applications. Minimum deck requirements shall be in compliance with applicable building code. Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments and Shur-Gard #40 Base Sheet shall be installed in strict compliance with applicable Building Code.
3. Shur-Gard MU Force HT, Shur-Gard MU Ultra HT and Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments may be used with mechanically fastened metal roofing, slate shingles, asphalt shingles, photovoltaic shingles, and composite plastic shingles.
4. Shur-Gard TU Force HT underlayment may be used with mechanically fastened clay and concrete roof tiles or clay and concrete roof tiles set in, DuPont de Nemours, Inc. TILE BOND™ Roof Tile Adhesive, DAP Touch'n Seal Storm Bond Roof Tile Adhesive or ICP Adhesives Polyset AH-160.
5. Shur-Gard TU Ultra HT and Shur-Gard MU Force HT underlayments may be used with mechanically fastened clay and concrete roof tiles.
6. Head laps for tile underlayments used with adhered clay or concrete tile shall be back nailed 12" o.c. with approved nails and tin cups or by prefabricated fasteners. Head laps for tile underlayments used with mechanically fastened clay or concrete tile may be optionally back nailed 12" o.c. with approved nails and tin cups or by prefabricated fasteners.
7. Shur-Gard TU Force HT or Shur-Gard TU Ultra HT underlayment shall only be used on assemblies with a maximum roof slope of 6:12 when the roof tiles are placed directly on the underlayment. Tiles shall be placed on battens for roof slopes greater than 6:12.
8. Shur-Gard MU Force HT underlayment shall only be used with tile assemblies installed on battens.
9. Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments shall not be applied over an existing roof membrane as a recover, but may be applied over a roofing Base/Anchor sheet underlayment.
10. Shur-Gard #40 Base Sheet shall not be left exposed as a temporary roof for longer than 30 days of application.
11. Shur-Gard TU Ultra HT underlayment shall not be left exposed as a temporary roof for longer than 90 days of application.
12. Shur-Gard MU Ultra HT underlayment shall not be left exposed as a temporary roof for longer than 120 days of application.
13. Shur-Gard TU Force HT and Shur-Gard MU Force HT underlayments shall not be left exposed as a temporary roof for longer than 180 days of application.
14. Refer to Prepared Roofing system Product Control Notice of Acceptance for listed approval of this product with specific prepared roofing products.



LIMITATIONS: (CONTINUED)

15. Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments and Shur-Gard #40 Base Sheet may be used with any approved roof covering Notice of Acceptance listing Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments and Shur-Gard #40 Base Sheet as a component part of an assembly in the Notice of Acceptance. If Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments and Shur-Gard #40 Base Sheet are not listed, a request may be made to the Authority Having Jurisdiction (AHJ) or the Miami-Dade County Product Control Department for approval provided that appropriate documentation is provided to detail compatibility of the products, wind uplift resistance, and fire testing results.
16. Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments and Shur-Gard #40 Base Sheet shall be applied to a smooth, clean and dry surface with deck free of irregularities. All nails in the deck shall be carefully checked for protruding heads. Re-fasten any loose decking panels. Sweep the deck thoroughly to remove any dust and debris prior to application.
17. When applying the membrane in the valley, start at the low point and work to the high point, rolling the membrane from the center outward in both directions. For ridge applications, center the membrane and roll from the center outward in both directions.
18. Roll or broom the entire membrane surface so as to have 100% contact with the surface, giving special attention to overlap areas. Special attention to ensure additional pressure/bonding to any non-selvedge edge overlap.
19. Flash vent pipes, stacks, chimneys and penetrations in compliance with Roof Assembly current Product Control Notice of Acceptance and applicable Building Code.
20. All protrusions or drains shall be initially taped with a 6" piece of underlayment. The flashing tape (target) shall be pressed in place and formed around the protrusion to ensure a tight fit. A second layer of Shur-Gard MU Force HT, Shur-Gard MU Ultra HT, Shur-Gard TU Force HT and Shur-Gard TU Ultra HT underlayments shall be applied over the underlayment.
21. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.
22. All membranes or packaging shall bear the imprint or identifiable marking of the manufacturer's name or logo and the following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.

