



Shur-Gard MU Force HT

Apr 2023

DESCRIPTION

Shur-Gard MU Force HT is a self-adhered high-temp waterproofing underlayment for metal roof coverings and various other applications. Utilizing ADESO® dual-compound self-adhered technology, Shur-Gard MU Force HT features a polymer modified bitumen upper compound and a proprietary self-adhesive SBS (elastomeric) compound on the bottom. A split release film that protects the self-adhesive compound allows for easy application. Shur-Gard MU Force HT features a cavitated anti-skid top film surface which can be exposed up to 180 days. With a temperature resistance of up to 265°F, Shur-Gard MU Force HT is ideally suited for high temperature roof covering systems such as steel, aluminum, or copper panels.

Can be installed as part of a multi-ply underlayment system when covered with Shur-Gard TU Force HT, Shur-Gard TU Ultra HT, or a second ply of Shur-Gard MU Force HT.



BASIC USES

- Specifically designed as underlayment for high temperature applications
- Primary use for application under steel, aluminum, or copper roof panels.
- Approved for use under tile, slate, and asphalt shingle roof coverings.
- Base layer of a multi-ply underlayment system for extended warranties.

FEATURES AND BENEFITS

- Patented ADESO dual-compound self-adhered technology
- Cavitated anti-skid top film surface with up to 180 days exposure.
- Fiberglass reinforced for added strength and dimensional stability.
- Self-adhered technology increases labor efficiency and roof dry-in speed.
- Asphaltic compound provides excellent sealability around nails.
- Approved up to 265°F.
- Max 180 days exposure.

TYPICAL PHYSICAL PROPERTIES

Physical Properties and Typical Performance		
Physical Property	ASTM Testing Method	Typical Results
Maximum Load, Longitudinal and Transverse, min, kN/m [lbf/in.]	D5147	4.4 [25]
Elongation at break, min of modified bitumen portion [%]	D5147	10
Tear Resistance, Longitudinal and Transverse, min, N [lbf]	D5147	89 [20]
Moisture Vapor Permeability, max, perms	E96	0.1
Adhesion to Plywood @ 40°F, min, lbf/ft width	D1970	2.0
Adhesion to Plywood @ 75°F, min, lbf/ft width	D1970	12.0
Sealability around nail	D1970	pass
Waterproof integrity after low temp flexibility	D1970	pass
Waterproof integrity of lap seams	D1970	pass
Slip Resistance	D1970	pass

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PACKAGING

30 rolls per pallet, roll size is 39 3/8" x 65'8"
Weight: 74 lbs. per roll (nominal)
Coverage: 200 SF per roll
Thickness: 60 mils

STORAGE & HANDLING

Shur-Gard MU Force HT membranes should be stored in their factory applied packaging. It is recommended that self-adhered products be stored inside a dry, protected warehouse at a temperature not exceeding 110°F. Mule-Hide recommends a maximum of one level of stacking of all self-adhered products while in protected storage as stacking higher may damage the material.

APPLICATION

- Shur-Gard MU Force HT may be applied directly to the roof deck where allowable by Code, or to various approved substrates such as ASTM D226 type roofing felts and Poly ISO insulation. For additional substrate requirements and information refer to Mule-Hide's Technical Data Bulletin 07-2301.
- Do not apply directly on to existing shingles or other roof coverings.
- Apply only when the substrate is dry and project related temperatures (air, roof deck, membrane) are 40°F and rising.
- Cut the Shur-Gard MU Force HT to a suitable, workable length prior to placement.
- Lay the material flat in place, starting at the lowest point. Overlap seams 3" at black side lap area and a minimum 6" at end laps.
- Peel half of the release film from the roll and apply firm, even pressure from the center to the outer edge. Remove the backing from the remaining half of the roll and apply pressure.
- After initially setting the sheet, it is required that uniform pressure be applied to the entire roll area by using a minimum 75 lb. linoleum roller, or similar weighted roller. When rolling the membrane in place, the short dimension should be rolled first and once that is completed the sheet can be rolled in the long dimension. Care must be taken to prevent injury when rolling membrane, especially on sloped surfaces.
- Be sure to follow all local building code recommendations and requirements with regards to the width of ice dam materials.
- If full roof coverage application is desired, proper venting of the structure is recommended. Consult a design professional for proper venting requirements. Applications involving nonventilated attics or sheathing with radiant barriers, an anchor sheet is recommended to allow venting and prevent the creation of a double vapor barrier condition.
- In steep slope applications where back nailing may be recommended, be sure that all nails are covered by the overlapping next sheet.
- Shur-Gard MU Force HT must be covered within 180 days of installation or unless otherwise limited by the Authority Having Jurisdiction.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

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ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Co., Inc. at 800-786-1492.

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