



Shur-Gard TU Ultra HT

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DESCRIPTION

Shur-Gard TU Ultra HT is a self-adhered waterproofing underlayment designed for use in adhesive foam or mechanically fastened roof tile applications. Utilizing ADESO® dual-compound self-adhered technology, Shur-Gard TU Ultra 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 TU Ultra HT features a tough polyester reinforced surface fabric which is skid resistant and provides proven foam set adhesion. The combination of aggressive self-adhesive bottom surface and strong bond of foam to the top surface provide strong resistance to wind uplift and seals the roof from wind-driven rain. In mechanically attached systems, the asphaltic compound provides sealability around nails. This product is suitable for the high temperature environments under tile and other roof coverings.

Shur-Gard TU Ultra HT is a flexible membrane allowing it to lay flat with ease, increasing install speed. This product features patented SEALLap® factory applied adhesive treatment at the membrane overlap which provides a quick watertight bond.

Although Shur-Gard TU Ultra HT is designed as an underlayment for clay and concrete tile coverings, this membrane can also be installed under slate tiles. Can be installed as part of a multi-ply underlayment system when used over SHUR-GARD MU FORCE HT

BASIC USES

- Adhesive set and mechanically fastened roof tile applications.
- As part of a multi-ply underlayment system over SHUR-GARD MU FORCE HT.
- Flexible and lay-flat characteristics, ideal for new construction applications.

TYPICAL PHYSICAL PROPERTIES

Physical Properties and Typical Performance		
Physical Property	ASTM Testing Method	ASTM Value
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 seam	D1970	pass
Slip Resistance	D1970	pass

Shur-Gard TU ULTRA HT

PACKAGING

25 rolls per pallet, roll size is 39 3/8" x 65'8"

Weight: 60 lbs. per roll (nominal)

Coverage: 200 SF per roll (approximate)

Thickness: 70 mils

FEATURES AND BENEFITS

- Patented ADESO dual-compound self-adhered technology.
- Patented SEALLap factory-applied adhesive for fast watertight seams.
- Polyester reinforced surface engineered for slip resistance and strong foam set adhesion.
- Strong foam adhesive bond to top fabric and aggressive self-adhered bottom surface increase wind-uplift resistance.
- Asphaltic compound provides excellent sealability around nails.
- Max 180 days exposure.

STORAGE & HANDLING

Shur-Gard TU Ultra 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 Products Co., Inc. 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 TU Ultra 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 TU Ultra 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 TU Ultra HT must be covered within 180 days of installation or unless otherwise limited by the Authority Having Jurisdiction.
- Use Mule-Hide RGA 1 or Mule-Hide 251 Premium Wet/Dry Elastomeric Flashing Cement to seal all end laps, hip, and ridge details, and any "fabric to fabric" splices, patches or details.
- Apply a bed of cement on any metals, vents, stacks, chimneys, and other roof accessories.
- Use on any repairs to the underlayment prior to application of the final roof covering.

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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's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

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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