



Shur-Gard TU Ultra HT

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DESCRIPTION

Shur-Gard TU Ultra HT is polyester-reinforced roof underlayment with a polyester non-woven top surface designed and manufactured for high-temperature applications under tile roofs. Shur-Gard TU Ultra HT is approved for adhesive bonding of concrete & clay tiles as well as mechanically attached applications. Shur-Gard TU Ultra HT is temperature resistant to 265°F. Shur-Gard TU Ultra HT underlayment can also be utilized as a flashing membrane to assist in protecting areas susceptible to leaks such as valleys, roof to wall transitions, and around vents and skylights. Conforms to ASTM D1970



BASIC USES

- Steep slope underlayment designed for tile and metal applications.
- Approved for use in both adhesive set and mechanically fastened tile applications.

TYPICAL PHYSICAL PROPERTIES

Physical Properties and Typical Performance		
Physical Property	ASTM Testing Method	Typical Results
Maximum load MD/CD min	D2523 / D1970	≥ 25 lbf/in
Elongation at break	D2523 / D1970	≥ 10%
Adhesion to plywood, min @ 40°F	D903 / 1970	≥ 2.0 lbf/ft
Adhesion to plywood, min @ 75°F	D903 / D7530	≥ 12.0 lbf/ft
Low temperature flexibility, max	D1970	Pass
Tear Resistance MD/CD, min	D4073 / D1970	≥ 20 lbf
Moisture Vapor Permeance	E96	≤ 0.1 U.S. perms
Sealability Around Nail	D1970	Pass
Waterproof Integrity after Low-Temp Flexibility	D1970	Pass
Waterproof Integrity of Lap Seam	D1970	Pass

PACKAGING

25 rolls per pallet, roll size is 39 3/8" x 66'
Weight: 68 lbs per roll (nominal)
Coverage: 200 SF per roll (approximate)
Thickness: 60 mils

FEATURES AND BENEFITS

- Ideal for adhesive-bonded and mechanically attached concrete and clay tiles – reinforced mat with a polyester non-woven top surface provides excellent bonding and material strength.
- Strong and robust material – this 60-mil product seals better around screws (fasteners) and holds up to traffic.
- 180-day UV exposure – longer dry-in time and greater protection from temporary exposure.
- Florida Building Code, Miami-Dade County, and Texas Department of Insurance approvals are pending.

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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 TEMPERATURES

Apply only when material interface temperatures are 40°F and rising. Lower temperatures will result in lower tack and reduced adhesion. If low temperatures are present during installation, product may be back nailed to hold sheet in position during installation. As temperatures rise, adhesive will activate and bond with substrate and seams.

APPLICATION

PREPARATION:

- Ensure the deck is dry, smooth and without voids or unsupported areas. Remove any existing nails, fasteners or staples. All decayed, rotting, rusted or broken materials must be removed and replaced before installing roof underlaments.
- Deck must be in sound condition, stable and secured to sound framing with the correct fasteners, clips and spacing as per local building codes and or roofing manufacturers' published specifications.
- If using new OSB sheathing or plywood, a gap should be left between sheets to allow for expansion and contraction of new sheathing and prevent bulging and ridges from forming. Spacing should be approximately 1/8" at end joints and 3/16" at side joints; however, verify with roof covering manufacturer's specifications.
- To help alleviate expansion and contraction of new OSB or plywood, allow the material to be pre-conditioned prior to installation. Always ensure adequate roof and attic ventilation when applying waterproofing membranes.
- Priming is not required for clean and dry roof decks made of wood. Concrete and masonry deck surfaces require priming with Mule-Hide 121 Asphalt Primer.

INSTALLATION:

- Always follow local buildings codes for your specific region. Apply Shur-Gard TU Ultra HT horizontally starting at the bottom edge of the roof with surface material side up. Roll out materials onto existing roof deck and cut sheet to a suitable, workable length prior to placement.
- Align sheet with the lower edge of the roof (at the rake or side edge of roof) with the sheet extending over 1/4". Applications may require tacking of nails along upper edge of membrane to hold in place.
- Standing above the sheet on the roof deck, remove top half of release film from the sheet and apply firm even pressure from the center to the outer edges.
- Remove the release film from the remaining half of the sheet applying firm even pressure.
- Install working up the slope of the roof, ensuring a minimum overlap of 3" on side laps and 6" on end laps. Where back nailing is required, be sure that all nails are covered by the overlapping next sheet.
- Immediately after installation, roll entire membrane surface, first rolling side to side across the membrane then roll end to end. Be sure to roll end laps and side laps to ensure bonding of adhesive.
- Roller weight shall be a minimum of 70 lbs. for low slopes and approximately 28 lbs. for steep slopes.

VENTILATION:

- This product is designed to be an air, water and vapor barrier and will retard the flow of moisture vapors when applied over the entire roof deck.
- In this application, ensure the roof and attic are properly vented. Lack of ventilation can result in presence of moisture and deck deterioration and/or mold.
- Always consult a design professional to address potential moisture entrapment and condensation

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issues.

- This can be in the form of ridge vents, solar / power vents, continuous ceiling vapor barriers or other ventilation products. Proper ventilation will help alleviate these concerns. In hot and arid climates, heat build-up can result in drying, cracking and premature aging of roofing materials and therefore venting is also required.

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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