

LeakBarrier[®] EasyLay[®] UDL HT

LeakBarrier EasyLay UDL HT is a state-of-the-art roof underlayment that combines the salient features of a synthetic membrane with revolutionary self-adhesive technology in order to deliver exceptional long-term weather barrier performance. Manufactured using a multi-laminate configuration consisting of non-woven poly fabric, UV stabilized polyolefinic coating, and woven poly scrim that provides a non-abrasive surface with good walkability, EasyLay UDL HT has an aggressive self-adhesive modified bituminous compound on the back side that is self-sealing around nails and can adhere to a variety of substrates.

USAGE

LeakBarrier EasyLay UDL HT is used in shingles, shake, slate, tile, and metal roofing applications. Designed for use in steep-slope roofing, it can be utilized in new roofing and re-roofing applications as well. EasyLay UDL HT is ideal for use in high temperature environments.

FEATURES AND BENEFITS

- ◆ Specially formulated SBS compound with 250°F temperature rating
- ◆ Highly durable sheet that can be used in a variety of applications
- ◆ Rubberized asphalt adhesive layer and multi-laminate polymeric upper surface form two distinct water barriers
- ◆ Specially formulated SBS compound facilitates a pliable sheet that easily conforms to rooftop peaks and valleys
- ◆ Self-sealing around fasteners
- ◆ 180-Day UV Exposure
- ◆ Enhanced Durability Performance
- ◆ High tensile and tear strengths
- ◆ Textured fabric provides good walkability
- ◆ Excellent wind resistance: Helps eliminate roof blow off
- ◆ Pre-printed lay lines for easy installation
- ◆ Adheres to a variety of substrates
- ◆ Instant watertight laps
- ◆ Meets ASTM D1970
- ◆ Miami-Dade County NOA No. 26-0507.01
- ◆ Florida Building Code FL 10450

STORAGE

- ◆ LeakBarrier EasyLay UDL HT rolls must be stored indoors, in a dry location.
- ◆ Rolls must be stored on end only. Do not store in a leaning position.
- ◆ Rolls must be protected from the elements. Do not expose to direct sunlight.
- ◆ Store rolls at room temperature. Prolonged exposure to elevated temperatures may reduce the adhesive characteristics of the material

GENERAL PRECAUTIONS

- ◆ Install LeakBarrier EasyLay UDL HT in strict compliance with applicable Building Code.
- ◆ Follow Occupational Safety and Health Administration (OSHA) safety standards; use common sense measures and adequate precautions to prevent accidents.
- ◆ Install rolls only when material interface temperatures (air, deck, material) are 40°F and rising.
- ◆ Do not install when any form of moisture such as water, ice, snow, dew, rain, etc. is present.
- ◆ Ensure roof has positive slope and drainage prior to installation.
- ◆ EasyLay UDL HT is considered a vapor barrier. Proper ventilation is critical. Ensure installation does not interfere with existing ventilation.
- ◆ When applying over the entire roof deck, the roofing system must provide sufficient ventilation.
- ◆ A full, irreversible adhesion is achieved when the underlayment goes through a complete heat cycle. Do not attempt to remove the underlayment immediately after adhesion to the substrate.
- ◆ Use of a hand-held "hot air gun" might help in enhancing the adhesion during application of underlayment in cooler weather.
- ◆ EasyLay UDL HT shall not be torched or hot-mopped to.
- ◆ When installing copper or zinc roofing over EasyLay UDL HT, it is required to use a batten system.
- ◆ EasyLay UDL HT must be covered with a finished roof covering within the specified exposure time of the product. Refer to section on Features and Benefits for exposure time.

SURFACE PREPARATION

- ◆ The substrate shall be clean, dry, and without voids when installing LeakBarrier EasyLay UDL HT.
- ◆ Consult applicable Technical Bulletin at the Tarco website prior to installation.



- ◆ Old roofing and other loose material must be removed before installation.
- ◆ Acceptable substrates for adhesion of LeakBarrier membranes can be found at the Tarco website.
- ◆ Surface may be primed with an ASTM D41 primer, water-based acrylic primer or water-based modified primer prior to installing EasyLay UDL HT. If primer is used, ensure it is fully dry before application of the membrane

APPLICATION GUIDELINES

- ◆ Cut the roll to suitable, manageable lengths before installation.
- ◆ Apply an ASTM D41 primer, water-based acrylic primer or water-based polymer-modified primer over the eave and rake metal drip edges extending onto the deck surface where the roll will intersect.
- ◆ Place a full width piece of the pre-cut underlayment onto the approved substrate, parallel to the eave (low) edge of the roof.
- ◆ Align EasyLay UDL HT so that it is parallel with the edge of the eave and extend over the eave and/or rake approximately 3/8".
- ◆ Fold back the sheet, and carefully remove the exposed release film, taking care not to displace the sheet.
- ◆ Working from the center out, roll the sheet onto the substrate, taking care to avoid wrinkles and ridges EasyLay UDL HT must be set straight. Repeat this process for the other half of the sheet once the remaining release film has been removed.
- ◆ On slopes greater than 2:12, install capped or tin tagged nails 6" on center in the side lap area 1½" from the edge, in the middle of the side lap area or fasten according to applicable Building Code after the EasyLay UDL HT has been applied and prior to the overlapping of the next course.
- ◆ Apply the next eave course in the same manner as described overlapping the first course at the end lap by a minimum of 6".
- ◆ Apply full roll width a 1/8" thick layer of modified bitumen asphalt adhesive/flashing cement to the surface of the first course in the 6" end lap area before adhering the next course.
- ◆ Stagger the end laps a minimum of 3' from the preceding course.
- ◆ Lap the succeeding course over the side lap area for 3" or as per applicable Building Code.
- ◆ Apply pressure to the entire surface of the membrane during installation. Pressure is to be applied vertically and horizontally throughout the entire area of the membrane. A minimum of a 28 lb weighted roller shall be used for application on slopes up to 6:12 pitch. The use of a soft bristled push broom is acceptable on steeper slopes (> 6:12 pitch). Pay special attention to side lap, end lap, T-joint, eave and rake edges during the application of pressure to ensure contact and adhesion. This procedure is necessary in order to ensure uniform pressure and achieve contact of
- ◆ Apply all succeeding courses in like manner, as described in steps above. Prime all metal collars, flashings, valleys, liner and drip edge with ASTM D41 Primer, Water-based Acrylic Primer, or Water-based Polymer-Modified Primer. All metal shall comply with applicable Building Codes.
- ◆ All protrusions shall be initially sealed with a trowel grade SBS modified bitumen asphalt adhesive/ flashing cement and membrane. A subsequent application of similar self-adhesive membrane must be applied to the existing area and is to extend a minimum of 6" from the edge of the original penetration, where applicable.
- ◆ Inspect all side laps, end laps, T-joints, eaves and rakes to verify they are securely sealed in place.
- ◆ Carefully trim the excess material off the eaves and rakes.

PROPERTIES

PROPERTY	TYPICAL VALUES	REFERENCE TEST	PRODUCT DATA	
Max. Load, MD /XMD, lbf/in	140 / 80	ASTM D1970	Width	36 in
Elongation, Mod. Bit. Portion	>200%	ASTM D412 (Die C)	Length	66 ft 8 in
Elongation at Break, MD/CD	25% / 25%	ASTM D1970	Thickness	45 mil (nominal)
Adhesion to Plywood @ 40°F	4 lb/ft of width	ASTM D903	Gross Coverage	200 sq ft
Adhesion to Plywood @ 75°F	24 lb/ft of width	ASTM D903	Weight	45 lb (nominal)
Thermal Stability, Max.	0.1 in	ASTM D1970	Rolls Per Pallet	30
Compound Stability	250°F	ASTM D1970		
Flexibility Temperature	-20°F	ASTM D1970		
Tear resistance, MD/CD, lbf	190 / 165	ASTM D1970		
Slip Resistance	Pass	ASTM D1970		
Moisture Vapor Permeance	0.1 US Perm or Less	ASTM E96		
Sealability Around Nails	Pass	ASTM D1970		
Waterproof Integrity of Lap Seams	Pass	ASTM D1970		

WARRANTY

Tarco Specialty Products, Inc. offers a 30 Year Limited Warranty.

NOTE: All statements, information and data, given herein are believed to be accurate and reliable but are presented without guaranty, warranty or responsibility of any kind, expressed or implied, except as may be indicated otherwise in this literature. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.

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