FELTEX

SYNTHETIC ROOF UNDERLAYMENT

Highest Performance/Lightweight - #30 Felt Replacement

LIFE TIME
LIMITED WARRANTY

INSTALLATION GUIDELINES

CODE AND STANDARD COMPLIANCE

- ICC-ES AC188 (ESR-1293)
- ASTM D226 Type I & II
- ASTM D4869
- CSA A 123.3 Type 1 & 2
- FBC #17873
- Texas Dept. of Insurance (TDI)

BEFORE INSTALLING FELTEX®

Ensure the roof deck or substrate is properly fastened, has no significant delamination, warpage, bowing or separation from the rafters, trusses or support structures and is free of debris, clean and smooth before the underlayment is applied.

FelTex shall be installed using compatible materials and conform to best building practices. Verify the application is compliant with applicable building codes.

As with all roofing materials, always observe safe roofing practices (OSHA) and local building and safety codes. Use caution when walking or standing on FelTex. Moisture, dust, snow, ice, debris and other jobsite conditions may change the coefficient of friction of FelTex. Failure to use proper safety equipment and footwear can result in serious injury or death.

INSTALLATION - GENERAL

Fastening methods and materials should conform to best building practices and local jobsite conditions. Verify final application to be compliant with the requirements of applicable building codes.

Verify compatibility according to geographical region, structure type and roof specification with applicable building codes and/or by review of a building professional.

Install FelTex print side up, horizontal (parallel) to the eave, with minimum 3 inch (102 mm) horizontal laps and 6 inch (152 mm) vertical laps. Overlaps shall run with the flow of water in a shingling fashion.

INSTALLATION GUIDELINES & LIMITED LIFETIME WARRANTY

Minimum finished roof slope is 2:12 (17%). For roof slopes greater than 2:12 (17%) and less than 4:12 (33%), laps shall be increased to 25 inches (635 mm).

In jurisdictions where the use of FelTex in valley applications is permitted by local building codes, System Components recommends that FelTex be applied as a valley liner in accordance with applicable building codes and industry standards/ guidelines. Woven or closed-cut valleys are not recommended.

Extend FelTex one-inch past gable/rake edge, turn down over edge, fasten approximately 4-inches on center and cover with code-compliant flashing prior to the installation of the final roof covering.

24 Hour Exposure: For short-term exposure (less than 24 hours before the primary roof installation is completed) without exposure to precipitation or high wind (any signs of underlayment uplifting), corrosive-resistant roofing nails may be used to nominally attach the underlayment only as necessary to prevent distortion around fasteners in high traffic areas. The final roof covering will permanently affix the underlayment in place.

2 – 29 Day Exposure: Applications that are not immediately covered (within 24 hours) by the primary roof covering or are subject to basic wind speeds (fastest mile) in excess of 90 miles per hour (145 km/hour, Uniform Building Code) or basic wind speeds (3-second gust) in excess of 110 miles per hour (177 km/hour, International Residential Code and International Building Code) shall be attached using corrosive resistant roofing nails with a minimum head diameter of 3/8 inches or plastic capped roofing nails or staples with a minimum plastic cap diameter of 1 inch, spaced 24 inches (203 mm) on center along both horizontal and vertical laps and 36 inches (610 mm) on center along the center of the roll in the field of the roof. Fasteners shall be 90° to the roof deck and shall not be under or over driven.

30 – 180 Day Exposure: For underlayment applications that are not covered by the primary roof covering within 30 days and/or for applications in high wind (any signs of underlayment uplifting) zones, lap widths shall be doubled and fastening frequency increased to 12 inches (10.2 cm) on center for horizontal and vertical laps and 18 inches (61 cm) on center along the center of the roll. Additionally, it is recommended that a caulk or sealant material1 be applied between laps before fastening to prevent moisture ingress in areas of high wind.

For a primary roof covering requiring attachment through a batten system, the underlayment need only be preliminarily attached pending attachment of battens or counter battens. Battens or counter battens shall not be secured directly over raised fasteners, including plastic capped roofing nails.

REPAIRS

Repair damaged to the underlayment with asbestos free, low solvent, plastic roofing cement, sealant conforming to ASTM D 4586, Type 1, Federal Spec SS153 Type 1 or butyl, urethane, or EPDM caulk. Ensure any incorrectly applied fasteners are caulked and/or sealed to prevent possible moisture ingress.

Use a high-quality, asbestos free, low solvent plastic roofing cement conforming to ASTM D 4586, Type 1 (Asbestos Free), Federal Spec SS-153 Type 1 (Asbestos Free). Butyl, urethane or EPDM based caulk or pressure-sensitive tape sealant may also be used.
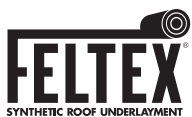
PRECAUTIONS

FelTex can be exposed to ultraviolet conditions for up to 6 months. Severe weather and/or local jobsite conditions may require a shorter exposure period. Please contact System Components for further information.

FelTex is not designed to function as the primary roof covering and is intended to function as a secondary water shedding layer under most steep-sloped roofing materials. Verify compatibility with applicable roof cladding manufacturer's published installation instructions.

Verify final application to be compliant with applicable building codes.

A LIMITED LIFETIME WARRANTY APPLIES TO FELTEX. NO OTHER WARRANTY, EXPRESS OR IMPLIED, IS GIVEN AS TO THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR OTHERWISE FOR APPLICATIONS OUTSIDE THE SCOPE OF THESE INSTALLATION GUIDELINES AND THE PUBLISHED LIFETIME LIMITED WARRANTY.

FELTEX
SYNTHETIC ROOF UNDERLAYMENT

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