



INSTALLATION GUIDELINES

CODE AND STANDARD COMPLIANCE

- **ASTM D 226 Type II:**
Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
- **ASTM D 2626:**
Standard Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing
- **CSA A 220.1-06:**
Installation of Concrete Roof Tile
- **CSA A 123.3-98:**
Asphalt Saturated Organic Roofing Felt
- **ASTM E 108/UL 790 – Class A**
Standard Test Methods for Fire Tests of Roof Coverings
- **Florida Building Code Approval No. 8700 (HVHZ)**
- **ICC-ES ESR-1293**

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.

FelTex is not designed or intended to be the final or primary roof. Consult with your local sales representative for further information.

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 4 inch (102 mm) horizontal laps and 6 inch (152 mm) vertical laps. Overlaps shall run with the flow of water in a shingling fashion.

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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.

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Fasteners shall either be corrosive-resistant roofing nails with a minimum head diameter of 3/8 inches or plastic capped roofing nails with a minimum plastic cap diameter of 1 inch. Fasteners shall be 90° to the roof deck and shall not be under or over driven. For HVHZ applications in Florida, FelTex shall be anchored with approved fasteners per Florida Building Code 1517.5 in a grid pattern per Florida Building Code 1518.2.

For applications where FelTex will not be exposed to precipitation or high wind (any signs of underlayment uplifting) prior to the installation of the final roof covering, FelTex may be installed using non-corrosive or stainless steel hammer-tacker staples. Staples shall be applied approximately 3-inches on center along all overlapped edges of FelTex, ensuring that (1) exposed staples are applied through two layers of properly overlapped underlayment and (2) no staples shall be applied in the field of the underlayment (through only one layer of FelTex).

Short-Term 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 fasteners 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 mechanical fasteners, spaced 8 inches (203 mm) on center along both horizontal and vertical laps and 24 inches (610 mm) on center along the center of the roll in the field of the roof

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 4 inches (10.2 cm) on center for horizontal and vertical laps and 24 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.

¹ 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.

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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 damage to the underlayment with caulk or sealant material maintaining a water-tight seal around the damaged area and proper overlaps to run with the flow of water in a shingling fashion. Ensure any incorrectly applied fasteners are caulked and/or sealed to prevent possible moisture ingress.

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 50-YEAR LIMITED 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 50-YEAR LIMITED WARRANTY.



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