



FelTex® APPLICATION GUIDELINES & 25 YEAR LIMITED WARRANTY

Code 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

ICC-ES AC 207

Acceptance Criteria for Polypropylene Underlayments

CSA A 220.1

Acceptance Criteria for Concrete Roof Tile

CSA A 123.3

Asphalt Saturated Organic Roofing Felt

ASTM E 108/UL 790 – Class A

Standard Test Methods for Fire Tests of Roof Coverings

Miami-Dade NOA No. NOA 06-0919.01

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.

Roofing systems may incorporate ventilated or unventilated roof spaces. Verify compatibility according to geographical region, structure type and roof specification with applicable building codes and/or by review of a building professional as FelTex is considered a vapor-barrier (< 1 perm).

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.

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

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 other installation considerations, including concrete and/or clay tile installation without the use of battens or counter battens, roof claddings with exposed mechanical fasteners, fire classification and application in high velocity hurricane zones, please contact System Components for details.

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 12 inches (304 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 6 inches (15.5 cm) on center for horizontal and vertical laps and 12 inches (30.5 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 damage to the underlayment with caulk or sealant material¹ 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.

NO 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.

FelTex® is a registered trademark of System Components Corporation.

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.

FelTex® 25 Year Limited Warranty

System Components Corporation (the "Seller") warrants to the purchaser (the "Buyer"), that the product FelTex® synthetic roofing underlayment (hereafter called "Product"), if installed in strict compliance with Seller's application guidelines, will shed water in sloped roof applications, except as noted below, for a period of twenty five (25) years from the sales invoice date (the "Effective Date"). **The above warranty shall be VOID if: 1.) Any part of the Product is exposed to ultraviolet radiation after roof cladding installation; 2) The Product has been installed and left uncovered without roof cladding for more than 180 days; or 3) The Product is not installed in strict compliance with Seller's application guidelines.**

As Buyer's sole remedy under this warranty, Seller shall, at its sole election, either 1) repair the defective Product, 2) supply replacement Product for the portion of the Product that has been proven to be defective within the warranty conditions, or 3) refund the purchase price for that portion of the Product proven to be defective. Buyer shall pay all handling or transportation charges.

Buyer must give Seller written notice of any defects within 30 days from the date that the defect was discovered. Such notice shall be sent to **Customer Service Manager, System Components Corporation, PO Box 2432, Issaquah, WA 98027**. Failure to timely give Seller timely notice of a defect, or unauthorized repair, alteration, misuse or misapplication of the Product by Buyer, makes this warranty VOID.

This warranty shall apply only to water leakage resulting solely from the defective manufacture of the Product and from no other cause. Without limiting the foregoing, Seller shall have no liability for leaks or damage resulting from:

1. Defects in workmanship in the installation of the Product;
2. Inadequate or faulty structural design, structural defects, settlement distortion, cracking or failure of substrate or the roofing base over which the Product is applied, or inadequate performance of products not manufactured or sold by Seller;
3. Any damage if the roof is altered after initial installation of the Product, whether any such alteration is by structural additions, changes, replacement or equipment installations;
4. Use of the roof for any purpose for which it was not designed;
5. Chemical damage or defects caused by any chemical materials including but not limited to greases, solvents, oils, or other chemicals;
6. Failure of the Owner to exercise reasonable care in maintaining the roof assembly and/or the Product;
7. Infiltration or condensation of moisture in, through or around walls, coping, building structure or underlayment of surrounding material;
8. Damage resulting from condensation below or adjacent to the Product;
9. Standing, pooled or dammed water; drainage must meet National or Canadian Roofing Contractors Association (NRCA or CRCA) minimum recommendations as applicable;
10. Unusual traffic, or from use as a storage area or recreational surface or for any other purpose for which it was not designed;
11. Damage caused by penetrations (including penetrations by fasteners), animals, tears or rips, vandalism, abusive conditions, natural forces such as lightning, wind, tornados, hurricanes, and earthquakes, fire, acts of God, or any other cause beyond Seller's control;
12. Installation of the final roof covering over visibly degraded Product;
13. Shrinkage of the Product.

In furtherance of and not in limitation of the foregoing, Seller will have no liability under this warranty for:

- a. any variation in color or shading of the Underlay;
- b. any damage to the interior or exterior of any building or any property contained therein;
- c. any costs incurred for repair or disposal; or
- d. any costs related to the removal of any asbestos or other hazardous materials or waste present in the roof to which the Underlay is installed.

In all cases, the replacement Product is warranted only for the remainder of the original product Warranty.

The Seller reserves the right to discontinue or modify any of its products, without notice to the Owner and shall not be liable to the Owner as a result of this modification or discontinuance. The Seller will have no liability in the event that replacement materials may vary in color in comparison to the original product as a result of product changes or normal weathering.

Any refund or material replacement by The Seller shall constitute a full settlement and release of all claims of any covered person hereunder for damages or other relief.

The warranties set forth herein are Seller's sole and exclusive warranties. In no event shall Seller be liable for other damages, including, without limitation, or for special, incidental, punitive or consequential damages.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

No part of this warranty may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the warranty. Buyer may not assign or permit any other transfer of this warranty without Seller's consent.

If any of the terms contained herein are unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect.

The warranty shall be governed by the laws of the state of Washington, without regard to its conflicts of laws, provisions, and exclusive jurisdiction for any dispute arising from this warranty shall be in the state or federal courts of King County, Washington.

FelTex® is a registered trademark of System Components Corporation.