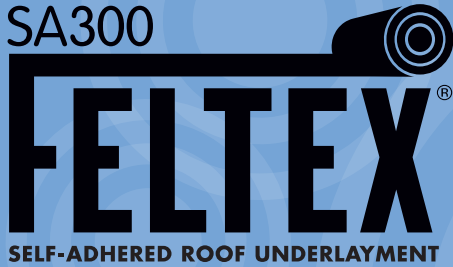


SA300



CSI GUIDE SPECIFICATIONS

FelTex® SA300 roofing underlayment is a high-performance, next-generation underlayment with an adhesive backing. FelTex® SA300 is unrivaled in its ease of application and known for its exceptional UV resistance (six months). FelTex® SA300 meets or exceeds code and industry nail sealability tests, and offers the most walkable surface in the industry with a textured Fiber Claw™ woven fabric surface. FelTex® SA300 is rated for commercial and residential applications, and is an ideal self-adhering underlayment for the most demanding severe weather applications.

PART 1: GENERAL

1.1 SUMMARY

- A. Section Includes: Self-adhering, rubberized asphalt roofing underlayment system.

1.2 RELATED SECTIONS

- A. Section 06100 – Rough Carpentry
- B. Section 07310 – Shingles, Roof Tiles, and Roof Coverings: Roof coverings applied over underlayment
- C. Section 07620 – Flashing and Sheet Metal: Gutters and Downspouts
- D. Section 08630 – Unit Skylights: Skylights

1.3 REFERENCE STANDARDS

- A. International Code Council (ICC): AC 48 – Acceptance Criteria For Roof Underlayment For Use In Severe Weather Climates
- B. ASTM D 1970: Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- C. ASTM D 903: Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- D. ASTM E 96: Standard Test Method for Water Vapor Transmission of Materials

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's product data. Submit specimen copy of warranty specified herein.
- B. Shop Drawings: Submit shop drawings showing layout, profiles and product components.
- C. Samples: Submit verification samples.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer with a minimum of 10 years experience in the manufacturing of rubberized asphalt, self-adhering membranes.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original unopened, undamaged containers with identification labels intact.
- B. Storage and Protection: Store materials protected from exposure to harmful weather conditions. As recommended by manufacturer, store materials at lower temperature between 40° and 100° F (4.4° and 37.8° C).

1.7 PROJECT CONDITIONS / SITE CONDITIONS

- A. Environmental Requirements/Conditions
 - 1. Weather Conditions: Neither commence nor proceed with the underlayment application when frost is present or inclement weather conditions conflict with manufacturer's published requirements.

1.8 WARRANTY

- A. Manufacturer's Warranty: Submit manufacturer's lifetime limited warranty.
- B. The formation or presence of mold or fungi in a building is dependent upon a broad range of factors including, but not limited to, the presence of spores and nutrient sources, moisture, temperatures, climatic conditions, relative humidity and heating/ventilating systems and their maintenance and operating capabilities. These factors are beyond the control of System Components Corporation and System Components Corporation shall not be responsible for any claims, repairs, restoration or damages relating to the presence of any irritants, contaminants, vapors, fumes, molds, fungi, bacteria, spores, mycotoxins or the like in any building or in the air, land or water serving the building.

PART 2: PRODUCTS

2.1 MANUFACTURER AND PRODUCT

A. Roofing Underlayment Membrane System: FelTex® SA300 Self-Adhering Underlayment. System Components Company Inc., which is located at: PO Box 2432 Issaquah, WA 98027; Tel: 425-392-5150; Fax: 425-392-1479; Email: info@systemcomponents.net; Web: www.systemcomponents.net

2.2 ROOF UNDERLAYMENT

- A. Physical Properties of Waterproofing Membrane
 - 1. ICC-ES AC 48: Acceptance Criteria for Roof Underlayment for Use in Severe Weather Climates – Pass
 - 2. Thickness Membrane - ASTM D 1970: 22 mils
 - 3. Tensile Strength – ASTM D 1970: MD 130 lbs/inch / CD 94 lbs/inch
 - 4. Elongation Membrane – ASTM D 1970: 400%
 - 5. Low Temperature Flexibility – ASTM D 1970: Unaffected at -200 F
 - 6. Color: Gray
 - 7. Adhesion to Plywood – ASTM D1970: 6.8 lbs/inch width
 - 8. Permeance – ASTM E 96: 0.067 perms
 - 9. Material Weight Installed: 0.094 lbs/ft²

PART 3: EXECUTION

3.1 EXAMINATION

A. Site Verification of Conditions: Verify substrate conditions are acceptable for product installation. Requirements for site conditions, detailed installation instructions and a copy of the limited warranty can be obtained at www.systemcomponents.net or by calling (425) 392-5150.

3.2 PREPARATION

- A. Surface Preparation: Surfaces to receive underlayment shall be dry, clean, frost free and free of dust, dirt or other foreign matter, which may impair the bond performance of the underlayment. Make sure substrate has no significant delamination, warpage, bowing or separation from the rafters, trusses or support structure. Re-roofing: remove all old materials to the roof deck for the area to be covered with FelTex® SA300 roof underlayment, replace water-damaged sheathing and sweep roof deck thoroughly.
- B. Adhesion Test: Determine substrate condition and acceptance by applying a test patch of membrane material to surface and check adhesion according to manufacturer's test procedures.
- C. This product is designed to be covered with primary roofing system. While FelTex® SA300 may withstand excessive UV degradation for up to 180 days, installation of the final roof covering should be finished as soon as possible. FelTex® SA300 is suitable for use in any climate.

3.3 MEMBRANE INSTALLATION

- A. Field of Roof
 - 1. Under water-shedding, code-compliant roof coverings or low slope code-compliant roof coverings with a minimum ½-inch slope, start at the low point and apply FelTex® SA300 roofing underlayment over the full surface of the roof deck. Review the roof covering manufacturer's instructions for limitations or precautions.
 - 2. Beginning at the eaves, apply product from the low point to the high point of the roof, running the roll horizontally.
 - 3. Full deck coverage of FelTex® SA300 roofing underlayment should only be applied in conjunction with adequate ventilation.
 - 4. FelTex® SA300 shall be overlapped a minimum of 3-inches shingle fashion in the direction of the eave and a minimum of 6-inches for end laps.

B. Valleys, Hips & Ridges

1. Cut FelTex SA300® roofing underlayment into 6-8-foot lengths.
2. Align along the center of the valley, hip or ridge (valleys shall not be laced).
3. Remove release film, taking care to immediately discard the release film in a secure disposal location that is located away from the walking surface of the roof.
4. Press the middle of the membrane into the center of the valley first before working outward towards the edges.
5. FelTex® SA300 shall be overlapped a minimum of 3-inches shingle fashion in the direction of the eave and a minimum of 6-inches for end laps.

C. Eaves and Rakes

1. Cut FelTex® SA300 roofing underlayment into 10-15-foot pieces.
2. Remove the top half of release film and align the edge of the membrane, adhesive side facing the roof deck, ensuring that the material overhangs the drip edge by 3/8-inch (10 mm). Immediately discard the release film in a secure disposal location that is located away from the walking surface of the roof.
3. Secure the remaining portions of the FelTex® SA300 using a hand roller and/or hand pressure to press into place.
4. FelTex® SA300 shall be overlapped a minimum of 3-inches shingle fashion in the direction of the eave and a minimum of 6-inches for end laps.

D. Drip Edge

1. At the rake edge, apply FelTex® SA300 roofing underlayment first and place drip edge on top. At the eave, apply drip edge first and place FelTex® SA300 roofing underlayment on top of the drip edge so that it overhangs the drip edge 3/8"-inch (10 mm).

3.4 FIELD QUALITY CONTROL

- A. Protect installed products until completion of the project.
- B. Touch-up, repair or replace damaged products before substantial completion.

DISCLAIMER: System Components Corporation Guide Specifications have been written as a guide to the qualified design professional. Always ensure that FelTex® SA300 Self-Adhering Roof Underlayment is installed using compatible materials and conforms to best building practices. Verify the application is compliant with applicable building codes. FelTex® SA300 is not designed or intended to be the final or primary roof. NO WARRANTY, EXPRESS OR IMPLIED, IS GIVEN TO THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR OTHERWISE FOR APPLICATIONS OUTSIDE OF THE SCOPE OF THESE GUIDELINES.

MATERIAL SAFETY DATA SHEET

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A
311/312 HAZARD CATEGORIES: LABEL STATEMENT: N/A
313 REPORTABLE INGREDIENTS: This product contains no known toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372.

STATE REGULATIONS: No substances on the state hazardous substances list for the states indicated below are used in the manufacture of products on this Material Safety Date Sheet, with exceptions indicated.
1. Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for special hazardous substances): None known
2. WARNING: Substances known to the State of California to cause cancer, birth defects or other reproductive harm: None known
3. Substances of New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): None known

INTERNATIONAL REGULATIONS CANADIAN WHMIS: To the best of our knowledge, this material is classified as a NON-CONTROLLED PRODUCT.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Prepared on March 31, 2011

PREPARATION INFORMATION: Quality Assurance Department
System Components Corporation

DISCLAIMER: The information presented herein, while not guaranteed, is to the best of our knowledge, true and accurate. No warranty or guarantee expressed or implied is made regarding the performance of any product since the manner of use and handling is beyond our control. Nothing contained herein is to be construed as permissible or as a recommendation to infringe on any patent. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.