

## Data Sheet

### Product Information

Summit<sup>®</sup> 180 is a high performance, high-strength, woven fabric based roof system component appropriate for use in virtually all steep slope roof covering systems.

Summit<sup>®</sup> 180 is fully compatible with asphalt shingles, metal roof coverings, clay tile, slate, concrete tiles, wood shingles and shakes or other code approved, steep slope roof covering. The UL Classification demonstrates conformance to critical fire testing requirements.

Summit<sup>®</sup> 180 synthetic underlayment is manufactured of a proprietary lightweight, woven polypropylene fabric, with UV, water resistant and anti-skid non-woven top surface. Summit<sup>®</sup> 180 is UL 790 compliant for fire resistance, allows for 180-day UV exposure, measures 10 squares and weighs approximately 30 lbs per roll.

Summit<sup>®</sup> 180 is designed to enhance the life of the roof and qualified as an Atlas Signature Select<sup>®</sup> Roofing System Component.

### Technical Data

Property	Test Method	Specification
Mil Thickness	—	7 Mil
Tensile Strength	ASTM D146	Pass
Thermal / UV Stability	Thermal Stabilizers	Yes
Pliability	ASTM D228	Pass
Permeability	ASTM E96	0.05 Perms
Meets Performance Characteristics	ASTM D4869 & D226	Pass
Tear Strength	ASTM D228 & D1922	Pass
Liquid Water Transmission	ASTM D4869	Pass
Dimensional Stability	ASTM D1087	Pass
Temperature Range	—	-40° to 240°

### Dimensions

Product	Roll (ft <sup>2</sup> )	Roll Size	Rolls Per Pallet
Summit <sup>®</sup> 180	1000	48" x 250'	49

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### Features:

- 6x lighter than #30 felt
- Maximum tear strength
- Non-woven top surface for improved walkability
- Monolithic UV coating allows for 180-Day UV exposure
- Water resistant, will not wrinkle or buckle
- Extreme temperature performance -40°F to 240°F
- Will not support mold growth or rot

### Codes & Compliances

- AC 207, Ultraviolet Exposure For 6 months
- AC 207, Accelerated Aging
- ASTM E108, Fire Resistance
- ASTM D6757, Inorganic Shingle Underlayment Standard
- Performance Characteristics Exceed - ASTM D4869, Type I, Type II, Type III, Type IV, (Standard Specification For Asphalt Saturated Felt), ASTM D226 Type I & Type II
- UL 790, Fire Resistance
- UL Classified As A Prepared Roofing Accessory
- Florida Building Code Approved - FL 21350
- Miami-Dade County Product Control Approved



## General Instructions

Summit® 180 must be installed on code-approved roof decks, which are properly ventilated according to all applicable building codes. The roof deck must be clean, solid, properly fastened, and free of voids and/or damage. When installing, Summit® 180 must be installed printed side up – unroll left to right.

Plastic cap fasteners must be used to secure Summit® 180 properly. The plastic cap fasteners should be a minimum of 1" in length and have caps of minimum 1" in diameter. The plastic cap spacing should be at the 12" O.C. horizontally along the indicated fastener placement lines at the top and the bottom, and at the 24" O.C. in the center lines printed on the sheet.

The top and bottom overlaps should be 4" minimum as indicated by the lay-up/fastener lines printed on the sheet. Simply place the plastic cap fasteners 2" in from the edges of the top and bottom laps. End overlaps should be 12" minimum and fastened at 12" O.C., vertically along the overlaps at 2" in from the end of the top layer. The plastic cap fasteners should be driven tight to the surface of Summit® 180 without cutting into the sheet.

Repair all damage to Summit® 180 before processing. For seams, joints, or tears, repairs may be made using peel and stick flashing tape or equivalent. Asphalt adhesives may also be used to seal joints, flashings, and laps.

Summit® 180 should be extended at least 12" past all hips and valleys. Summit® 180 installed on less than 4:12 slopes should be applied in a double coverage method. Overlapping each installed course by 24" rather than the normal 4". Fastening can be through both layers.

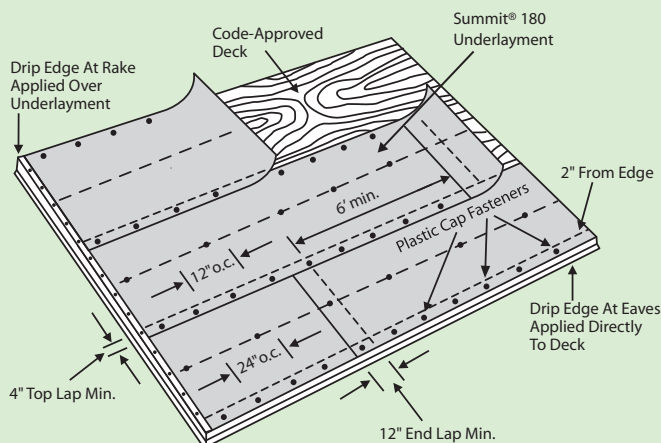
Follow the ARMA (Asphalt Roof Manufacturing Assn.) recommendations for installing shingle underlayments and flashings for best roofing practices.

**Note:** If local building code or jurisdiction requires the use of metal cap fasteners in lieu of plastic cap fasteners, clear latex sealant must be added to the underside of every metal cap and nail head if the roof needs to be kept watertight during installation. Examples where complete water tightness may not be a primary concern are new construction with unfinished interiors or re-roofing applications where the final roof covering is installed immediately. Product tears, leaks, or any other product performance issues due to the use of metal/tin cap fasteners is not covered under the product warranty.

## Caution

Learn and observe safe roofing practices according to OSHA and local building code requirements. Always use caution when walking on sloped roof decks and Summit® 180 underlayment. Do not walk on unsecured underlayment or any other loose roofing material lying on sloped roof decks. Dust, dew, water, or debris create unsafe conditions on the roof. The presence of any foreign matter may drastically change the coefficient of friction (traction) on Summit® 180 or any other material on a sloped roof deck. Failure to use proper safety equipment and footwear can result in serious injury or even death.

## Summit® 180 Field Application



## Sales Offices

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