

# Summit® 180

## Premium Synthetic Underlayment

### PRODUCT INFORMATION

Summit® 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® 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® 180 synthetic underlayment is manufactured of a proprietary lightweight, woven polypropylene fabric, with UV, water resistant and anti-skid non-woven top surface. Summit® 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® 180 is designed to enhance the life of the roof and qualified as an Atlas Signature Select® 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 (ft²) | Roll Size  | Rolls Per Pallet |
|-------------|------------|------------|------------------|
| Summit® 180 | 1000       | 48" x 250' | 49               |

### FEATURES:

- Doesn't tear away from fasteners when walked on
- Dual-coated slip-resistant resin provides traction on the deck and unique non-woven surface walkability
- UV coating allows for 180-day UV exposure
- Water resistant, will not wrinkle or buckle
- Temperature performance -40°F to 240°F
- Will not support mold growth or rot

### CODES & COMPLIANCES

- ASTM 8257, Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing
- AC 207, UV Exposure for 60 Days
- AC 207, Accelerated Aging
- ASTM E108, Fire Resistance
- ASTM D6757, Inorganic Shingle Underlayment Standard
- UL 790, Fire Resistance
- UL Classified as a Prepared Roofing Accessory
- Florida Building Code Approved - FL 21350
- Miami-Dade County Product Control Approved



Signature Select® System Eligible



## GENERAL INSTRUCTIONS

Summit® 180 shall be applied to properly ventilated, building code-approved roof decks. Before getting started, be sure the roof deck is clean, solid, properly fastened and free of voids and/or damages.

Begin by unrolling the underlayment from left to right, noting that the printed side should be facing up for installation.

Plastic cap fasteners, with a 1" minimum length and 1" minimum cap diameter, must be used to secure Summit® 180 properly. To secure, follow along the indicated fastener placement lines at the top and bottom to space fasteners at 12" O.C. horizontally. Then, follow along the indicated center lines to space fasteners at 24" O.C.

When more than one piece is required to continue a course, overlapping is necessary. The overlaps at the top and bottom should be a minimum of 4". The fasteners should be placed 2" in from the edge of the top and bottom laps. The end overlaps should be 12" minimum and fastened vertically at 12" O.C., staying 2" in from the end of the top layer.

The plastic cap fasteners should be driven tightly into the surface of the Summit® 180, being careful not to cut into the sheet. If any damage to Summit® 180 occurs, it must be repaired before continuing on to the next step. Asphalt adhesives may be used at this point to supplementally seal joints, flashings, and laps.

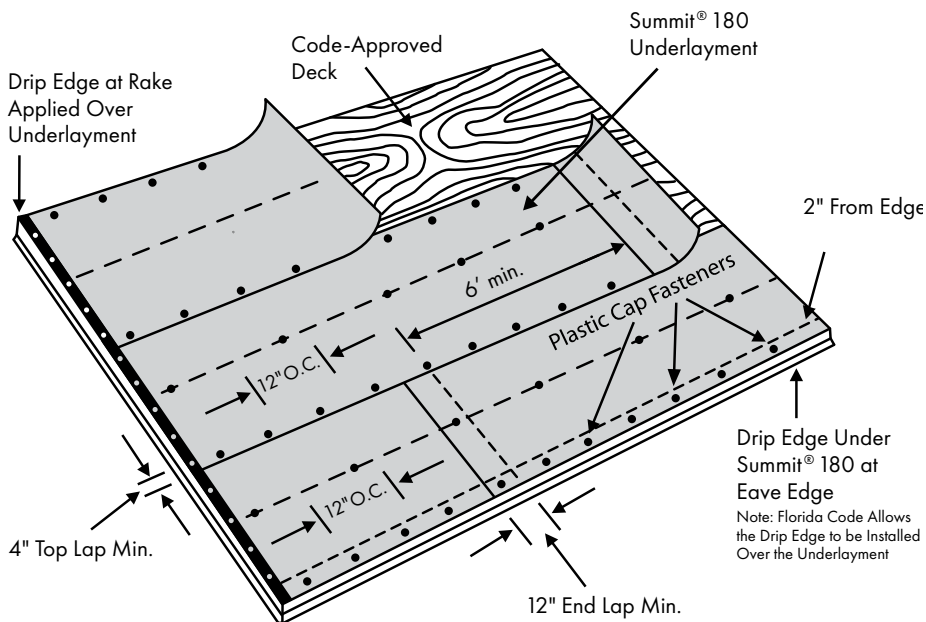
For best results, Summit® 180 should be extended at least 12" past all hips and valleys. If Summit® 180 is being installed on decks with less than 4:12 slopes, it should be applied in a double coverage method. Here, the overlap of each installed course should be 24", rather than the normal 4". It is acceptable to drive the fasteners through both layers to secure.

Always follow the ARMA (Asphalt Roof Manufacturing Association) recommendations for installing shingle underlayments and flashings for best roofing practices.

## 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® 60 FIELD APPLICATION



## Sales Offices

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Atlas offers homeowners increased coverage of their Premium Protection Period on any Atlas Signature Select® Roofing System. This product qualifies for use in the Atlas Signature Select® Roofing System when used in combination with other qualifying Atlas products. For more information, please visit: [AtlasRoofing.com/Pro](https://AtlasRoofing.com/Pro).

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