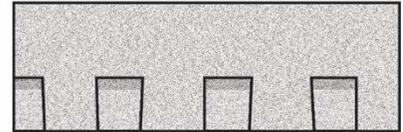


NorthGate® ClimateFlex® Polymer Modified Asphalt Shingles

PRODUCT INFORMATION

NorthGate® ClimateFlex® polymer modified asphalt shingles reflect the same high manufacturing standards and superior warranty protection as the rest of CertainTeed's line of roofing products. NorthGate ClimateFlex shingles are built with the industry's toughest fiber glass mat base, and their strict dimensional tolerance assures consistency. Complex granule color blends and subtle shadow lines produce a distinctive color selection. NorthGate ClimateFlex polymer modified shingles are produced with the unique NailTrak® nailing feature. ***Please see the installation instruction section below for important information regarding NailTrak.***



NorthGate ClimateFlex algae-resistant (AR) shingles are algae-resistant and help protect against dark or black discoloration, sometimes called staining or streaking, caused by blue-green algae.

Colors: Please refer to the product brochure or CertainTeed website for the colors available in your region.

Limitations: Use on roofs with slopes greater than or equal to 2" per foot. Low-slope applications (2:12 to < 4:12) require additional underlayment. In areas where icing along eaves can cause the back-up of water, apply CertainTeed WinterGuard® Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

Product Composition: NorthGate ClimateFlex is a polymer modified laminated shingle and is composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. Two pieces of the shingle are firmly laminated together in a special tough asphaltic cement. All CertainTeed produced shingles have self-sealing adhesive strips for wind uplift resistance.

Applicable Standards

ASTM D3018 Type I

ASTM D3462

ASTM E108 Class A Fire Resistance

ASTM D3161 Class F Wind Resistance

UL 2218 Class 4 Impact Resistance

ASTM D7158 Class H Wind Resistance

UL 790 Class A Fire Resistance

CSA Standard A123.5

Meets TDI Windstorm Requirements

Technical Data:

Weight/Square (approx.)	249 to 267 lb
Dimensions (overall)	13 1/4" x 38 3/4"
Shingles/Square (approx.)	66
Weather Exposure	5 5/8"

INSTALLATION

Installation instructions are supplied on each bundle of NorthGate ClimateFlex shingles and must be followed. Separate application sheets may also be obtained from CertainTeed.

Hips and Ridges: For capping hip and ridge, apply CertainTeed's Shadow Ridge® ClimateFlex® (English or Metric version, depending on regional availability) of a like color.

MAINTENANCE

These shingles do not require maintenance when installed according to manufacturer's application instructions. However, to protect the investment, any roof should be routinely inspected at least once a year. Older roofs should be looked at more frequently.

WARRANTY

NorthGate ClimateFlex carries a lifetime limited, transferable warranty to the consumer against manufacturing defects when applied to stated CertainTeed application instructions for this product. In addition, NorthGate ClimateFlex Shingles carry 10-years of SureStart™ Protection and 15-years of algae resistance. For specific warranty details and limitations, refer to the warranty itself (available from the local supplier, roofing contractor or on-line at www.certainteed.com).

TECHNICAL SERVICE

Complete technical support and assistance is available through CertainTeed's Technical Service Department at 800-345-1145 or your local Territory Manager.

FOR MORE INFORMATION

Sales Support Group: 800-233-8990

Web site: www.certainteed.com

See us at our on-line specification writing tool, CertaSpec, at www.certainteed.com/certaspec.

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