

Technical Data Sheet

XT™ 30 Shingles

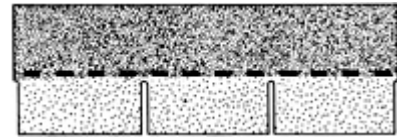
XT™ 25 Shingles

CT20™ Shingles



PRODUCT INFORMATION

CertainTeed offers a variety of three-tab shingle products that combine exceptional durability with flexibility for better resistance to blow-off. In addition to their suitability for residential applications, these products are ideal for commercial applications. Available in "English" dimensions – 12" x 36" and in "Metric" dimensions – 13 1/4" x 39 3/8", depending on the product and sales region.



Algae Resistant (AR) versions of these shingles are available in some regions. Algae resistant shingles help protect against staining or discoloration caused by algae.

Special Note: Wind warranty for XT 30 for the Northwest region is 80 mph. Wind warranty is 100 mph in Hawaii and Alaska only.

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 2" per foot. Low slope applications (2" to 4" per foot) require additional underlayment. In areas where icing along the eaves can cause a backup of water, apply CertainTeed WinterGuard™ Waterproofing Shingle Underlayment, or its equivalent, according to application instructions provided with the product and on the shingle package.

On slopes greater than 21" per foot, apply a 1" diameter spot of asphalt roofing cement (ASTM D 4586 Type II) under each shingle tab corner according to application instructions provided on the shingle package.

Product Composition: These shingles are composed of a fiber glass mat base. Ceramic-coated mineral granules are tightly embedded in carefully refined, water-resistant asphalt. These shingles have self-sealing adhesive. These are 3-tab shingles.

Applicable Standards:

ASTM D3018, Type I

ASTM D3462

ASTM E108 Class A Fire Resistance

ASTM D3161 Class F Wind Resistance

ASTM D7158 Class H Wind Resistance

UL 2390/ASTM D6381 Class H Wind Resistance

TDI Windstorm Resistance

UL 790 Fire Resistance: Class A

UL 997 Wind Resistance

NYC-MEA-120-79-M

ICC-ES ESR-1389 (Avery Metric Pending)

CSA Standard A123.5-98 (& -05) (except CT20)

Ontario BMEC Auths. 97-10-219 and 97-12-221

Florida Product Approval # FL5444

Miami-Dade Product Control Approved (English-size only)

Technical Data:

Weight/Square (approx.):

XT 30 - English

230-240 lb

XT 30 - Metric

240 lb

Dimensions (overall):

12" x 36"

13-1/4" x 39-3/8"

Shingles/Square:

80

65

Weather Exposure:

5"

5-5/8"

	XT 25 - English	XT 25 - Metric
Weight/Square (approx.):	220 lb	220-225 lb
Dimensions (overall):	12" x 36"	13-1/4" x 39-3/8"
Shingles/Square:	80	65
Weather Exposure:	5"	5-5/8"

	CT 20 - English	CT 20 - Metric
Weight/Square (approx.):	200 lb	200 lb
Dimensions (overall):	12" x 36"	13-1/4" x 39-3/8"
Shingles/Square:	80	65
Weather Exposure:	5"	5-5/8"

INSTALLATION

Detailed installation instructions including diagrams are supplied on each bundle of shingles, or separate application sheets may be obtained from CertainTeed. The following is a general summary of installation methods. NOTE - Refer to application instructions supplied with the shingles for further information and application procedures.

Roof Deck Requirements: Apply shingles to minimum 3/8" thick plywood, minimum 7/16" thick non-veneer (E.g. OSB), or minimum 1" thick (nominal) wood decks. The plywood or non-veneer decks must comply with the specifications of APA-The Engineered Wood Association.

Ventilation: Provisions for ventilation should meet or exceed current HUD Standards. To ensure adequate ventilation, use a combination of continuous ridge ventilation (using Ridge FilterVent or Ridge Filter ShingleVent II, manufactured by Air Vent Inc, or a comparable product with an external baffle) and balanced soffit venting.

Valleys: Valley liner must be applied before shingles. The Closed-Cut valley application method is recommended, using CertainTeed WinterGuard Waterproofing Shingle Underlayment, or its equivalent, to line the valley prior to being fully covered by the shingles.

Underlayment:

On slopes 4" per foot or greater, CertainTeed recommends one layer of DiamondDeck™ Synthetic Underlayment, or Roofers' Select™ High-Performance shingle underlayment, or shingle underlayment meeting ASTM D226, D4869 or ASTM D6757. Always ensure sufficient deck ventilation, and take particular care when DiamondDeck or other synthetic underlayment is installed. For UL fire rating, underlayment may be required. Corrosion-resistant drip edge is recommended and should be placed over the underlayment at the rake and beneath the underlayment at the eaves. Follow manufacturer's application instructions.

On low slopes (2" up to 4" per foot), one layer of CertainTeed's WinterGuard Waterproofing Shingle Underlayment (or equivalent meeting ASTM D1970) or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D226, D4869 or ASTM D6757) lapped 19" must be applied over the entire roof, ensure sufficient deck ventilation. When DiamondDeck or other synthetic underlayment is installed, weather-lap at least 20" and ensure sufficient deck ventilation. When WinterGuard is applied to the rake area, the drip edge may be installed under or over WinterGuard. At the eave, when WinterGuard does not overlap the gutter or fascia, the drip edge should be installed under WinterGuard. When WinterGuard overlaps the fascia or gutter, the drip edge or other metal must be installed over it. Follow manufacturer's application instructions.

Fastening: Four nails are required per shingle. For English-sized shingles they are to be located 5/8" above the top of each cutout and 1" and 12" in from each side of the shingle. For Metric-sized shingles they are to be located 1" and 13-1/8" in from each side of the shingle. They must be of sufficient length to penetrate into the deck 3/4" or through the thickness of the decking, whichever is less. Nails are to be 11 or 12 gauge, corrosion-resistant roofing nails with 3/8" heads.

On steep slopes greater than 21" per foot, apply a 1" diameter spot of asphalt roofing cement (ASTM D 4586 Type II) under each shingle tab corner according to application instructions provided on the shingle package.

Application (English-Sized Shingles): The recommended application method is the Six-Course, 6" Stepped-Off Diagonal Method found on each bundle of shingles. These shingles may also be applied using the 5" Stepped-Off Diagonal Method, or the 6" Offset, Single-Column Vertical-Racking Method, instructions for which may be obtained from CertainTeed. These shingles may be used for new construction or for re-roofing over old shingles.

Application (Metric-sized shingles): The recommended application method is the Seven Course, 5-5/8" Stepped-Off Diagonal Method found on each bundle of shingles. These shingles may also be applied using the Eight Course, 5" Stepped-Off Diagonal Method or the Half-Tab Diagonal Method, instructions for which may be obtained from CertainTeed. These shingles may be used for new construction or for reroofing over old shingles.

Flashing: Use corrosion-resistant metal flashing.

Hips and Ridges: Use field shingles of a like color for capping hips and ridges.

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

XT 30 (and AR), shingles carry a 30-year limited transferable warranty, XT 25 (and AR) carry a 25-year limited transferable warranty, and CT 20 (and AR), shingles carry a 20 year limited transferable warranty to the consumer against manufacturing defects. All of these shingles carry 5-year SureStart protection except for CT 20 which carries 3-year SureStart protection. 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).

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.

CertainTeed Roofing

P.O. Box 860
Valley Forge, PA 19482