

## Technical Data Sheet

XT™ 30 Shingles

XT™ 25 Shingles

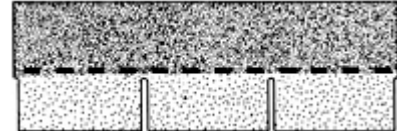
CT20™ Shingles

Seal King® 25 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.



Some of these shingles have the additional attribute of resisting the growth of algae (commonly called fungus), especially in damp regions. AR shingles are not available in all regions.

*Special Note:* In Alaska and Hawaii the XT 30 shingle carries a 100-mph wind warranty (see actual warranty for details).

**Colors:** These shingles come in a wide variety of colors. Please refer to the product literature, sample boards or our website ([www.certainteed.com](http://www.certainteed.com)) for colors in your area.

**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) 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 D 3018, Type I

ASTM D 3462

ASTM E 108 Fire Resistance: Class A

ASTM D 3161-03b, Class "F" Wind Resistance

ASTM D 3161-99a, Wind Resistance (Regional)

ASTM D 7158 Class "H" Wind Resistance

UL 790 Fire Resistance: Class A

UL 997 Wind Resistance

UL 2390/ASTM D6381 Class "H" Wind Resistance

NYC-MEA-120-79-M

ICC-ES Evaluation Report ESR-1389

BOCA & SBCCI Building Codes

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

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

(English-size only)

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

Florida Product Approval # FL5444 (English-size only/Regional)

<b>Technical Data:</b>	<b>XT 30 - English</b>	<b>XT 30 - Metric</b>
Weight/Square (approx.):	230/240 lb.	230/240 lb.
Dimensions (overall):	12" x 36"	13-1/4" x 39-3/8"
Shingles/Square:	80	65
Weather Exposure:	5"	5-5/8"

	<b>XT 25/Seal King 25 - English</b>
Weight/Square (approx.):	220 lb.
Dimensions (overall):	12" x 36"
Shingles/Square:	80
Weather Exposure:	5"

	<b>CT 20 -English</b>	<b>CT 20 -Metric</b>
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 insure 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:** At standard slopes (4" per foot or greater) a single layer of Roofers' Select™ High-Performance shingle underlayment (or product meeting ASTM D 4869 or ASTM D 6757) is recommended. 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.

On low slopes (2" to 4" per foot), apply CertainTeed WinterGuard Waterproofing Shingle Underlayment or its equivalent, or two layers of 36" wide felt shingle underlayment (Roofers' Select High-Performance Underlayment or product meeting ASTM D 4869 or ASTM D 6757) lapped 19", over entire deck according to the application instructions provided with the product. 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.

**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) 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 (Metric) found on each bundle of shingles. These shingles may also be applied using the Eight Course, 5" Stepped-Off Diagonal Method (Metric) or the Half-Tab Diagonal Method (Metric), 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. For higher profile hips and ridges use CertainTeed's ContourRidge™ or ElevationRidge™ in 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**

XT 30 (and AR), shingles carry a 30-year limited transferable warranty, XT 25 (and AR) and Seal King 25 both 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](http://www.certainteed.com) ).

## **FOR MORE INFORMATION**

Sales Support Group: 800-233-8990

Web site: [www.certainteed.com](http://www.certainteed.com)

See us in Sweets and ARCAT printed and electronic publications

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**CertainTeed** 

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