



## Polymeric Shake Tile Roof System

### DESCRIPTION

Seneca Plus Cedar Shake Tiles™ are a rubber and plastic-based roofing tile designed to provide a cedar shake look to the roof. Seneca Plus Cedar Shake Tiles are manufactured with a state of the art formulation using recycled TPO and EPDM polymers.

Seneca Plus Cedar Shake Tiles come in 6", 9" and 12" widths, are 19" long, 3/4" thick, and are available in nine (9) colors.

### INSTALLATION

It is recommended that Seneca Plus Cedar Shake Tiles be installed by professional roofing applicators to ensure a quality installation.

The following are simplified steps for installing Seneca Plus Cedar Shake Tiles. **Please refer to the Seneca Plus Cedar Shake Tile System Installation Guide for specifics of installation.**

1. An approved deck is covered with EcoStar's **Glacier Guard™** where specified and either EcoStar's **Aqua Guard** and/or **VersaShield®** underlayment as needed per building code requirements.
2. Beginning at roof eave a row of **Seneca Cedar Shake Tiles** is installed as a starter row. Seneca Plus tiles **should not** be used as starter row tiles.
3. Place a row of Seneca Plus tiles directly over the starter row, covering the tile gap with a full tile.
4. Using the measurement lines begin installing tiles per specified pattern.

### ADVANTAGES

Seneca Plus Cedar Shake Tiles provide the look and feel of wood shake with these added advantages:

- High impact resistance providing protection from hail, falling branches, foot traffic, ice and snow damage.
- The color in Seneca Plus Cedar Shake Tiles has been added during formulation providing for color throughout the product. As with all roofing products, natural weathering will occur.
- EcoStar provides warranties for Seneca Plus Cedar Shake Tiles for up to 50 years.

### LIMITATIONS

**Color Variation - All Seneca Plus Cedar Shake Tiles come with shade variation.** This shade variation may occur differently from pallet to pallet. Application of the product should not begin until all material has been delivered to the project site. Because of this shade variation the applicator must take precautions to ensure that the various shades of the product are properly blended. Tiles must be taken from different pallets and bundles to ensure consistency in application. **NOTE: EcoStar will not be responsible for the improper blending and application of the product.**

**Temperature -** It is recommended that Seneca Plus Cedar Shake Tiles not be stored in temperatures lower than 45° F, since this may cause difficulty with installation of the product. If tiles have been stored in temperatures below 45° F, it is recommended that the tiles be brought back to an ambient material temperature above 45° F.

**Substrate**—Seneca Plus Cedar Shake Tiles should only be installed on a minimum of 1/2" plywood, minimum 7/16" OSB or minimum 1" solid or

plank wood decking. Seneca Plus Cedar Shake Tiles should not be applied over existing roof materials. Existing roof materials **must** be removed down to the deck, prior to installation.

**Slope**—Seneca Plus Cedar Shake Tiles are not recommended for slopes less than 3/12. On roofs less than 6/12 and greater than 3/12, Seneca Plus Cedar Shake Tiles must be installed with a 7" exposure. On roofs greater than 6/12, Seneca Plus Cedar Shake Tiles may be installed with either a 7" or 8" exposure.

**Underlayment**—Prior to installation, EcoStar's **Aqua Guard** or **VersaShield** underlayment must be installed over the entire deck area, WITH THE EXCEPTION of all roof edges, valleys, ridges or hips and any roof projections. In these areas EcoStar's **Glacier Guard** or an approved equal must be applied.

**Fasteners**—Fasteners must be stainless steel **EcoStar Fasteners™**. **EcoStar Fasteners** are available in either hand drive or pneumatic coil.

**Ventilation**—Roof ventilation should be installed at the same time as the ridge tiles are being installed. EcoStar's **Eco Vent** ridge venting is recommended for quality attic ventilation and an improved aesthetic appearance of the EcoStar roof system.

### PRODUCT SPECIFICATIONS

FORMULATION		
Materials	EPDM / TPO	
PRODUCT CHARACTERISTIC	Units	Results
Length	inches	19
Width	inches	6, 9, 12
Thickness	inches	3/4 (nominal)
PHYSICAL PROPERTIES	Units	Results
Operating Range	F.	-25 to 200°
Tensile (D-412)	psi	500
Water Absorption (D-570)		0% by wt.
PACKAGING INFORMATION	CLASS C	
Tiles per bundle	24	
Weight per bundle	lbs.	37
Bundles per pallet	36	
Weight per pallet	lbs.	1332
PACKAGING INFORMATION	CLASS A	
Tiles per bundle	24	
Weight per bundle	lbs.	39
Bundles per pallet	36	
Weight per pallet	lbs.	1404
APPLICABLE STANDARDS		
U L Listed 790 Fire Resistance	Class A and C ratings are available	
U L Listed 2218 Impact Resistance	Class 4	
Texas Department of Insurance	Listed	

### WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. EcoStar will at its option either supply new product or refund the purchase price of any product found to be defective hereunder.

**EcoStar's limited warranties are the only warranties extended by EcoStar with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. EcoStar specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.**

The dollar value of EcoStar's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the EcoStar material in question.



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PRODUCT TECHNICAL DATA