# Traditional Slate

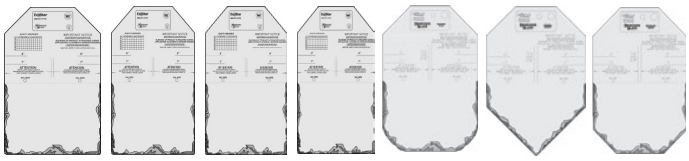
*Class A and Class C Polymeric Tile Roof System*

PRODUCT TECHNICAL DATA

## DESCRIPTION

Traditional Slate is a natural-looking synthetic roofing tile manufactured from post-industrial recycled materials to provide the look of natural stone slate.

Traditional Slate comes in 6" (152 mm), 9" (229 mm), 10" (254 mm) and 12" (305 mm) widths. The Traditional Slate Random-Width Blend is an even mixture of 6" (152 mm), 9" (229 mm), and 12" (305 mm) wide tiles. Traditional Slate can also come as designer tiles such as the Beaver Tail, Beveled Edge, and Chisel Point profiles. They are 18" (457 mm) long, 1/4" (6 mm) nominal thickness, and are available in 14 standard colors, multiple color blends and custom colors.



**12" (305 mm)** **10" (254 mm)** **9" (229 mm)** **6" (152 mm)** **Beaver Tail** **Chisel Point** **Beveled Edge**

## ADVANTAGES

Traditional Slate provides the look of natural slate with these added advantages:

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

## INSTALLATION

**Temperature** – If tiles have been stored in temperatures below 45˚F (7˚C), they must be restored to a temperature above 45˚F (7˚C) before installation. Ambient temperature should be at least 34˚F (1˚C) and rising.

**Substrate** – Traditional Slate should only be installed on a minimum of 1/2" (13 mm) plywood, minimum 7/16" (11 mm) OSB or minimum 3/4" (19 mm) tongue and groove wood decking. Traditional Slate should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

**Slope** – Traditional Slate is not recommended for roof slopes below 3/12 (14°). For roof slopes between 3/12 (14°) and 4/12 (18°), Class A Traditional Slate must be installed with a maximum exposure of 6" (152 mm). For slopes 4/12 (18°) or greater, Class A Traditional Slate may be installed with either a 6" (152 mm) or 7" (178 mm) exposure. On slopes 6/12 (27°) or greater, Traditional Slate (Class A or Class C) can be installed with a 6" (152 mm) or 7" (178 mm) exposure, and Class A may also be installed with an 8" (203 mm) exposure.

On roof slopes less than 6/12 (26.6˚) Beaver Tail and Beveled Edge tiles must be installed at a maximum 6" (152 mm) exposure. For roof slopes 6/12 (26.6˚) or greater, Beaver Tail and Beveled Edge tiles can be installed at a maximum exposure of 7" (178 mm). Chisel Point tiles may only be installed with a 6" (152 mm) exposure.

**Underlayment** – Glacier Guard™ or equal must be applied to all eaves, rake edges, hips, valleys, ridges and protrusions. If a Class C roof system has been specified, cover the remaining exposed deck with Aqua Guard™ or equal. If a Class A roof has been specified, GAF VersaShield® or GP Gypsum Corporation DensDeck® roof board or equal may be used. If VersaShield is used, it must be applied over the entire roof deck, after the installation of the Glacier Guard. Gold Star Warranty requires the use of the above-mentioned EcoStar specified products.

**Fasteners** – Fasteners must be ring shank stainless steel. EcoStar fasteners are available in both hand-drive and pneumatic coil options. Traditional Slate tiles require a minimum of 1½" EcoStar Stainless Steel Ring Shank Nails for proper installation.

**Color Variation** – All EcoStar tiles come with shade variation. EcoStar tiles that have been ordered and supplied to the job site under one EcoStar sales order number are blended at the factory to ensure every bundle has the correct color percentages and equal tile widths. EcoStar recommends that the installing contractor work amongst several bundles and randomly pull tiles from each bundle to ensure that random shading occurs. It is always the responsibility of the applicator to make frequent inspections from the ground or other vantage points to ensure that random shading occurs. Roofers must inspect the roof frequently to prevent customer dissatisfaction.

NOTE: If EcoStar tiles have been supplied to the job site under two or more EcoStar sales order numbers, all tiles must be blended together on-site before installation. Specific blending instructions can be found at www.ecostarllc.com on the "Resource Library" page.

EcoStar will not be held responsible for correcting the appearance of unblended installations. Natural weathering will produce further shade variations, even in tiles appearing to be identical in color when new.

**Ventilation** – Ventilation is recommended but not required for an EcoStar roof assembly. EcoStar advises that a ridge style venting system be utilized to ensure the best possible air movement for the benefit of deck substrate and to provide the best aesthetic appearance to the roof system. If a ridge ventilation system is not used on the project, another form of ventilation may be used.

NOTE: If a ridge vent is specified in the design of an EcoStar roof assembly with roof slopes between 3/12 and 12/12 and is attempting to achieve a Gold Star Warranty, EcoStar requires the use of EcoVent. Please refer to EcoStar EcoVent installation guidelines for further detail. For roof slopes less than 3/12 or greater than 12/12, another form of ventilation may be used, including but not limited to a ridge vent.

**Please refer to the EcoStar Roof Tile Installation Guide for specifics of installation.**

## WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar's factory. See www.ecostarllc.com for available warranties.

# Traditional Slate

*Class A and Class C Polymeric Tile Roof System*

PRODUCT TECHNICAL DATA

## PRODUCT SPECIFICATIONS

| | 10" Tiles | 12" Tiles | Designer Tiles | Random-Width |
|---|---|---|---|---|
| **PRODUCT CHARACTERISTICS** | | | | |
| Length | 18" (457 mm) | | | |
| Width | 10" (254 mm) | 12" (305 mm) | 12" (305 mm) | 6" (152 mm), 9" (229 mm), 12" (305 mm) |
| Nominal Thickness | 1/4" (6 mm) | | | |
| **PACKAGING INFORMATION** | | | | |
| Tiles per bundle - Class C | 25 | | | 36 |
| Tiles per bundle - Class A | 20 | | | 30 |
| Weight per bundle - Class C | 35 lbs. (15.88 kg) | 40 lbs. (18.14 kg) | Beavertail: 40 lbs. (18.14 kg) | 45 lbs. (20.4 kg) |
| | | | Beveled Edge: 37 lbs. (16.78 kg) | |
| | | | Chisel Point: 32 lbs. (14.52 kg) | |
| Weight per bundle - Class A | 33 lbs. (15 kg) | 41 lbs. (18.6 kg) | Beavertail: 43 lbs. (19.5 kg) | 43 lbs. (19.5 kg) |
| | | | Beveled Edge: 41 lbs. (18.6 kg) | |
| | | | Chisel Point: 35 lbs. (15.88 kg) | |
| Bundles per pallet - Class C | 56 | 56 | 56 | 40 |
| Bundles per pallet - Class A | 70 | 70 | 70 | 40 |
| Weight per pallet - Class C | 1,960 lbs. (889 kg) | 2,240 lbs. (1,016 kg) | Beavertail: 2,240 lbs. (1,016 kg) | 1,850 lbs. (839 kg) |
| | | | Beveled Edge: 2,072 lbs. (939 kg) | |
| | | | Chisel Point: 1,792 lbs. (812 kg) | |
| Weight per pallet - Class A | 2,310 lbs. (1,048 kg) | 2,870 lbs. (1,302 kg) | Beavertail: 3,010 lbs. (1,365 kg) | 1,720 lbs. (780 kg) |
| | | | Beveled Edge: 2,870 lbs. (1,301 kg) | |
| | | | Chisel Point: 2,450 lbs. (1,111 kg) | |
| Linear feet per bundle - Class C | 20.75 ft. (6.32 m) | 25 ft. (7.62 m) | 25 ft. (7.62 m) | 27 ft. (8.23 m) |
| Linear feet per bundle - Class A | 16.67 ft. (5.08 m) | 20 ft. (6.1 m) | 20 ft. (6.1 m) | 22.5 ft. (6.86 m) |
| **FORMULATION** | | | | |
| Materials | Thermoplastic Olefin | | | |
| **PHYSICAL PROPERTIES (Typical)** | | | | |
| Operating Range | -25˚F to 200˚F (-32˚C to 93˚C) | | | |
| Tensile (D-412) | 1,500 psi (10,342 kpa) | | | |
| Water Absorption (D-570) | 0% by wt. | | | |
| **APPLICABLE STANDARDS** | | | | |
| UL Listed 790 Fire Resistance | Class A / Class C | | | |
| UL 2218 Impact | Class 4 | | | |
| Texas Department of Insurance | Listed | | | |
| Miami-Dade | Listed (Class A Only) | | | |

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