

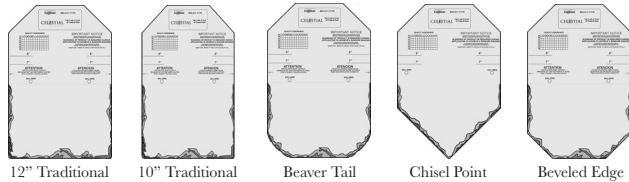
MAJESTIC SLATE™

Polymeric Slate Tile Roof System

DESCRIPTION

Majestic Slate™ is a rubber and plastic-based roof tile designed to provide the look of natural stone slate. Majestic Slate is manufactured with a state of the art formulation using recycled polyolefin polymers.

Majestic Slate is 10" and 12" wide, 18" long and ¼" thick and is available in eleven (11) colors and the five (5) designs shown below.



INSTALLATION

It is recommended that EcoStar Majestic Slate tiles be installed by trained professional roofing applicators to ensure a quality installation.

The following are simplified steps for installing Majestic Slate. **Please refer to the Majestic Slate Installation Guide for specifics of installation.**

1. An approved decking is covered with EcoStar's **Glacier Guard™** where specified and either EcoStar's **Aqua Guard** and/or **GAF VersaShield®** underlayment as needed per building code requirements.
2. Beginning at roof eave a row of Majestic Slate tile is installed as a starter row.
3. Place another row of tiles directly over the starter row with a ½ tile offset, covering the tile gap with a full tile.
4. Using the measurement lines begin installing tiles per specified pattern.

ADVANTAGES

Majestic 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.
- Majestic Slate can be installed up to eight times faster than natural stone slate.
- The color in Majestic 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 Majestic Slate for up to 50 years.

LIMITATIONS

Color Variation – All Majestic Slate 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. Contact EcoStar Customer Service for available factory-blended options.**

Natural weathering will produce further shade variations, even in tiles appearing to be identical in color when new.

Temperature – If tiles have been stored in temperatures below 45° F, it is required that the tiles be brought back to an ambient material temperature above 45° F before installation.

Substrate – Majestic Slate should only be installed on a minimum of ½" plywood, minimum 7/16" OSB or minimum ¾" tongue and groove wood decking. Majestic Slate should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

Slope – Majestic Slate is not recommended for slopes less than 3/12. On roofs less than 6/12 and greater than 3/12, Majestic Slate **must** be installed with a maximum exposure of 6". On roofs 6/12 or greater, Majestic Slate tiles may be installed with either a 6", 6½" or 7" exposure. Chisel Point tiles may only be installed at a 6" exposure.

Underlayment – Prior to installation, **Glacier Guard™** underlayment should be applied to all rakes, valleys, ridges, hips, eaves and any protrusions. **Aqua Guard™** is then applied over the remaining deck surface. For Class A fire rated assembly, **GAF VersaShield®** should be used instead of **Aqua Guard™** and should cover the entire roof deck, including the areas covered by **Glacier Guard™**.

Fasteners – Fasteners must be ring shank stainless steel. **EcoStar Fasteners** are available in either hand drive style or pneumatic coil.

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

PRODUCT SPECIFICATIONS

FORMULATION			
Materials	Thermoplastic Olefin		
PRODUCT CHARACTERISTIC	Units	10" Results	12" Results
Length	in.	18	18
Width	in.	10	12
Weight	lbs.	1.4	1.6
Thickness	in.	¼ (nominal)	¼ (nominal)
PHYSICAL PROPERTIES	Units	Results	Results
Operating Range	°F	-25° to 200°	-25° to 200°
Tensile (D-412)	psi	500	500
Water Absorption (D-570)		0% by wt.	0% by wt.
PACKAGING INFORMATION			
Tiles per bundle		25	25
Weight per bundle	lbs.	35	40
Tiles per pallet		1400	1400
Weight per pallet	lbs.	1960	2240
Linear feet per bundle	ft.	21.5	25
APPLICABLE STANDARDS			
UL Listed 790 Fire Resistance		Class A and C ratings are available	
UL 2218 Impact		Class 4	Class 4
Texas Department of Insurance		Listed	Listed
Miami-Dade		Listed	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.

*See www.ecostarllc.com for available warranties.



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PRODUCT TECHNICAL DATA