

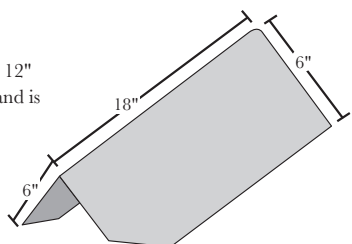
EMPIRE SLATE™

Universal Hip & Ridge

DESCRIPTION

Empire Slate™ Hip and Ridge is a polymer based ridge tile designed to provide the look of natural stone slate in the ridge and hip portions of the roof. Used in conjunction with all Empire Slate roofing tiles, Empire Slate Hip and Ridge is manufactured with a state of the art formulation using virgin and recycled polyolefin polymers.

Empire Slate Hip and Ridge is 12" wide, 18" long and 1/4" thick and is available in twelve (12) colors.



ADVANTAGES

Empire Slate Hip and Ridge provides the look of natural slate but with these added advantages:

- High impact resistance which provides protection from hail, falling branches, foot traffic, ice and snow damage.
- Empire Slate Hip and Ridge can be installed up to 8 times faster than natural stone slate.
- The color in Empire Slate Hip and Ridge has been added during formulation providing for color throughout the product. As with all roofing products, natural weathering will occur.
- EcoStar provides warranties for Empire Slate for up to 50 years.

LIMITATIONS

Color Variation – All Empire Slate Hip and Ridge 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.**

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

INSTALLATION

Exposure – Hip & Ridge tiles are always installed with a 6" exposure.

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 – Empire Slate should only be installed on a minimum of 1/2" plywood, minimum 7/16" OSB or minimum 1" tongue and groove wood decking. Empire Slate should not be applied over existing roof materials. Existing roof materials must be removed down to the deck, prior to installation.

Fasteners – Fasteners must be ring shank stainless steel. **EcoStar Fasteners** are available in hand drive style in 2" and 2-1/2" lengths.

Ventilation – At the same time the ridge tiles are being installed, roof venting should be installed. 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 | Results |
| Length | in. | 18 |
| Width | in. | 12 |
| Weight | lbs. | 1.6 (nominal) |
| Thickness | in. | 1/4 (nominal) |
| Tiles per linear foot | 2 at required 6" exposure | |
| PHYSICAL PROPERTIES | Units | Results |
| Operating Range | °F | -25° to 200° |
| Tensile (D-412) | psi | 1500 |
| PACKAGING INFORMATION | | |
| Tiles per bundle | 10 | |
| Weight per bundle | lbs. | 16 |
| Tiles per pallet | 750 | |
| Weight per pallet | lbs. | 1200 |
| Linear feet per bundle | ft. | 5 |

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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 P/N-606003 ECO-EMPIRE HIP AND RIDGE PTD. This data sheet, effective 05/01/13 supersedes all previous versions. *See www.ecostarllc.com for available warranties.

PRODUCT TECHNICAL DATA