

Viking EcoStar

EC - PDS - Version 1.0 - 2025

Introduction:

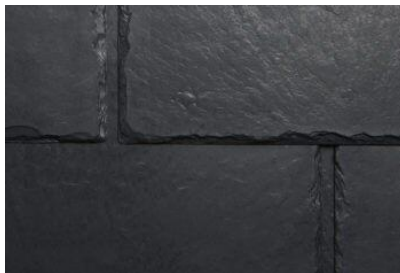
Majestic Slate™ is a rubber and plastic-based roof tile designed to provide the look and feel of natural stone slate. Majestic Slate is manufactured with Starloy™, a state-of-the-art formulation using recycled TPO and EPDM polymers.

Properties

Majestic Slate is 305mm (12") wide, 457mm (18") long and 6.35mm (1/4") thick and is available in ten colours* and the four designs shown below.



Black



Midnight Grey



Federal Gray*



Earth Green*



Sage Green*



Mountain Plum*



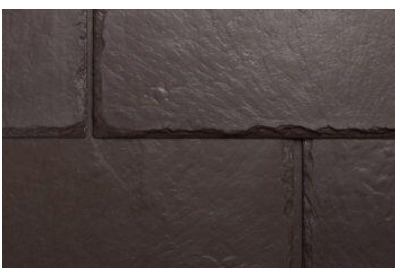
Stone Red*



Cedar Brown*



Driftwood*



Chestnut Brown*

*Colour options available by indent order only.



Standard stock lines are Midnight Grey and Black Traditional. All other colour and pattern combinations are available on Indent order only. Please contact Viking for additional costs and lead times.

Majestic Slate provides the look and feel of natural slate with these added advantages:

- High impact resistance providing 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 colour in Majestic Slate has been added during formulation providing full colour consistency throughout the product. Weathering provides a natural patina and colour variations.
- EcoStar Majestic Slate comes with a 50-year product warranty

Product specifications

Formulation		
Materials		Recycled EPDM / TPO
Product Characteristic		
Length		457mm
Width		305mm
Weight		0.68 kgs
Thickness		0.64mm (nominal)
Physical Properties		
Operating Range		-32 to 93°C
Tensile Strength (D-412)		3447.38 KPa
Water Absorption (D-570)		0% by wt.
Packaging Information		
Weight per pallet		952 kgs
Full pallet dimensions		1,1m x 1.2m x 1.15m (h)
Packs per pallets		56
Weight per pack (25 tiles)		17 kgs
Linear meters per bundle		7.865m
Square meters per bundle	6" (152,4mm) Exposure	1.16m²
Square meters per bundle	7" (177.8mm) Exposure	1.35m²
Acceptable Standards		
UL Listed 790 Fire Resistance		Class A and C ratings are available**
UL 2218 Impact		Class 4

**Contact Viking Roofspect for specifications

Installation

EcoStar Majestic Slate tiles must be installed by Viking Roofspect approved applicators to ensure a quality installation.

Please refer to the Majestic Slate Installation Guide for specifics of installation.

- Approved substrates are to be covered with Viking self-adhered underlay or RoofRunner synthetic underlayment as specified, flashings, valleys & terminations are to comply with NZBC E2.
- Consideration must be given to substrate ventilation, contact Viking Roofspect for assistance.

Precautions

Colour Variation - All Majestic Slate tiles come with shade variation. This shade variation will occur differently from pallet to pallet and within individual pallets. 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 pre-cautions 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: Viking will not be responsible for the improper blending and application of the product.**

Temperature - It is recommended that Majestic Slate not be stored in temperatures lower than 7° as this may cause difficulty with installation of the product. If tiles have been stored in temperatures below 7° it is recommended that the tiles be brought back to an ambient material temperature above 7°.

Substrate - Majestic Slate should only be installed on a minimum of 15mm plywood, minimum 16.3mm StrandSarking. Majestic Slate should not be applied over existing roof materials. Existing roof materials must be removed down to the substrate, prior to installation.

Slope - Majestic Slate is not recommended for slopes less than 14°. On roofs less than 26.5° and greater than 14°, Majestic Slate **must** be installed with a maximum exposure of 6". Depending on the wind zone, roofs 26.5° or greater, Majestic Slate tiles may be installed with either a 6" and or 7" exposure.

Underlayment - Prior to installation either Viking self-adhered underlay or RoofRunner synthetic underlayment must be installed over the entire deck area. **NOTE** All roof edges, valleys, ridges, hips and any roof projections must be applied with Viking Self adhered underlay.

Fasteners - Fasteners must be stainless steel 45mm for tiles and 64mm for ridding. Fasteners can either be hand driven or pneumatic coil. Don't overdrive nails as this will cause the front of the tile to lift.

Ventilation - Roof venting should be installed at the same time the as the ridge tiles. Python ridge venting is recommended for quality roof ventilation and an improved aesthetic appearance of the EcoStar roof system.

Bending and Blending - A critical step is BENDING. Every tile that is installed must be bent in a downward arch before applying it to the roof deck. Whatever position the tile is in when fastened to the roof deck, is the position it will maintain. It is recommended that each member of the installation crew be instructed on how to bend the tile to ensure that it lies flat when fastened to the roof deck. While grabbing the top of the tile (textured side up) with the right hand and the bottom edge of the tile with the left hand, bend the tile in a downward motion until the tile maintains arch. The tiles must be curved under when installing.

Storage - Handling and storage of all materials whether on or off site is under the control of the Viking Roofspec Licensed and Trained Installers. Do not store below 7°, do not let products get crushed under weight of stacking pallets on top of each other.

Water Potability – EcoStar is manufactured with a blend of recycled rubber and plastics; with colour additives & UV stabiliser, collection of water run off for a potable supply is not recommended.

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