

Viking
EcoStar[™]

lightweight
alternative to
slate and timber
shingles

Roofspec
Viking
Taking care of detail

www.vikingroofspec.co.nz



Viking EcoStar: an environmental superstar

Viking EcoStar tiles capture the authentic appearance of natural slate or natural hand-split cedar wood tiles.

Manufactured from recycled polymer, this is a practical solution for period homes; historic buildings; or for modern buildings requiring the same authentic appeal.

Viking EcoStar Majestic Slate Tiles

These tiles utilise post-industrial recycled compounds to create a lightweight and environmentally responsible alternative to natural slate. Significant maintenance and frequent repairs are no longer required with majestic slate tiles.

Viking EcoStar Seneca Shake Tiles

These tiles replicate the look of natural hand-split cedar shakes. The moulds used to manufacture EcoStar Seneca Shake have been custom crafted using real wood shake tiles as a template to create an intricate texture that appears truly natural.

Maintenance, short life cycle and rot are challenges often associated with natural wood shake roofing. EcoStar Seneca Shake is the trouble-free solution designed to eliminate the extensive maintenance of natural shakes while offering a level of durability and performance building owners can depend on.



What makes EcoStar the right choice for you?

Longevity

EcoStar tiles are: flexible; won't crack; and have a high impact resistance; providing protection against the most extreme conditions such as rain, hail, snow and fire.

Light Weight

The unique formulation of EcoStar renders several advantages over slate roofing whilst still offering the look and durability. Despite emulating Welsh slate, the EcoStar system is approximately half the weight; placing less stress on the building structure.

Recyclability

Viking EcoStar tiles are the most environmentally friendly on the market, being composed of 80% post-industrial recycled rubber and plastics from the likes of old car bumpers; door mouldings; radiator hoses; and even off-cuts from the manufacture of disposable diapers!

They are also 100% recyclable at the end of their useable life. By utilising recycled materials in the manufacturing process, EcoStar offers a proven alternative to its natural counterparts with enhanced performance and minimal environmental impact allowing you to reach a new level of sustainability with your project.

Temperature and UV Resistance

Every Viking EcoStar tile is formulated to resist extreme temperature variations. Additionally, UV testing (performed with a 'xenon-arc weatherometer') have officially reported EcoStar tiles to comfortably withstand UV treatment consistently above New Zealand's UV levels.

Superior Substrate

The structural integrity of all Viking roofing products is enhanced through the installation of a timber sarking substrate onto which they are fastened. This durable and light-weight substrate, braces the entire building; negating the need for extra structural requirements for heavy weight roofing materials.

StrandSarking is the best option as a substrate for EcoStar tiles. Designed in New Zealand, its benefits far outweigh the alternatives. For more information visit our website www.vikingroofspec.co.nz

Wind Resistance

Suitable for all wind zones, guaranteeing years of performance in tough conditions.

Peace of mind

All Viking tiles have been assessed by the independent laboratory officially referenced by the uncompromising American legal system – 'Underwriters Laboratory' (U.L.) – assessing their collective resistance to: wind uplift; UV; and impact.

Craftsmanship

To ensure that this critical quality control continues through to installation, Viking EcoStar tiles are installed by a nationwide network of Viking Approved Applicators selected and trained to install your roof to the highest of standards.

Warranties of Substance

Viking EcoStar tiles come with a comprehensive 50-year product warranty.

Not all warranties are equal. The Tiri Group, an established, reputable New Zealand company with an annual turnover exceeding \$300 million, backs Viking Roofspec's warranties. The Tiri Group will honour its warranties in the unlikely event of a product issue. For more information visit our website www.vikingroofspec.co.nz

Viking Full System Warranty

For further peace of mind, certain projects may qualify for Viking's comprehensive Full System Warranty that covers both the materials and the installation in one document. For further info visit www.vikingroofspec.co.nz



Proven options to suit your needs

Note – The colours shown in this brochure are a digital representation of the actual colours.

Before making a final selection, Viking Roofspec recommends viewing actual material samples and/or existing roof installations.



UV resistant



high impact



lightweight roofing option



temperature and UV resistant



suitable for all wind zones



EcoStar Majestic Slate

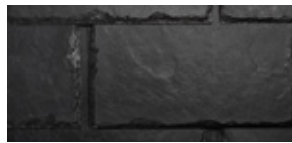
An affordable and environmentally-friendly alternative to natural slate, EcoStar's Majestic Slate™ captures the traditional beauty of slate roof tiles while providing the durability and proven protection of a synthetic.

With 11 colours and five shapes to choose from, Majestic Slate offers an unlimited opportunity to create unique designs for any residential or commercial project.

Colours readily available



Midnight Grey



Black

Colours available on request



Federal Grey



Cedar Brown



Smoke Grey



Mountain Plum



Chestnut Brown



Stone Red

Tiles shapes



Traditional



Beaver Tail



Chisel Point



Beveled Edge

EcoStar Seneca Shake

EcoStar's Seneca Shake™ roofing tiles replicate the look of natural hand-split cedar shakes. The moulds used to manufacture Seneca Shake tiles have been custom crafted using real hand-split wood shake tiles as a template to create an intricate texture that appears truly natural.

Available in 11 colours and a variety of profiles, Seneca Shake enables you to create the traditional look of wood shake while providing lasting appeal for any building.

Colours available on request



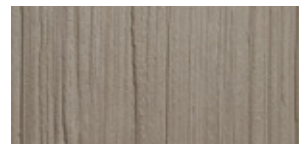
Black



Cedar Brown



Chestnut Brown



Driftwood



Mountain Plum



Smoke Grey



Federal Grey

CASE STUDY: Viking EcoStar Majestic Slate Tiles



The Heart of Epsom is Restored

St Georges Church – Auckland

THE CHALLENGE

Built in the heart of Epsom, Auckland in 1926, the original concrete tiles on the roof of the St Georges Anglican Church were in dire need of replacement; not only for durability and waterproofing reasons, but as much for the health of the congregation seeing the tiles contained asbestos.

The client - Heritage New Zealand, BSM Group Architects and Auckland City Council, worked collectively in search of an appropriate replacement roof system was imperative to the client that the materials selected preserved the building's period architectural flavour for another 100 years. Discussions took place as to whether concrete tiles should be re-selected, or slate, or even corrugated iron; all eventually being vetoed due to, stress on the roof structure (concrete and slate) or lack of authentic aesthetic (steel). It wasn't until the client sought the assistance of Viking Roofspec that they learned about our eco-alternative to slate roofing.

THE SOLUTION

Comprised of 80% recycled rubber and plastics, Viking EcoStar provides an eco-alternative while capturing the authentic appearance of natural slate roofing or hand-split cedar wood tiles. Installed on a sarking substrate, the EcoStar system also braces the building structure while still only weighing approximately half that of concrete, clay or slate tiles. In this particular case, it also reduces the pressure and weight on the old foundation. Heritage New Zealand specified this system and all other stakeholders were happy with the proposed solution.

The roof refurbishment project started well, but progress came to a halt when the removal of the

tiles on the east side revealed a timber substructure that was different and inferior to what was expected.. Based on what was evident at the eaves, the project management team made the decision to redesign the roof structure, allowing for seismic strengthening. Plans were returned to council for consent..

On approval, installation 2.0 got underway. Completed in stages, the builders prepped the new sarking substrate, with the Viking Approved Applicator following behind with 900m² of EcoStar tile installation.

The installation still had its challenges. The team faced lengthy delays with scaffolding resources, and despite the building being tented, the shrink-wrap struggled with two extreme weather events, slowing the speed of installation. That said, Viking materials are installed only by approved application businesses; so the finished roof will not only be installed to specification, but to a high standard as well.

THE RESULT

After nine months, St Georges Anglican Church has a brand new, beautifully constructed roof – including a structure that has been strengthened to meet earthquake standards, raising it from 40% to 67% (NBS).

The clients couldn't be happier with their new roof. Knowing that the Viking EcoStar system is light and yet extremely durable; installed by an approved applicator, and supported by a 50-year product warranty, reassures them that their building is watertight for many years to come, while resembling an authentic slate roof.

CASE STUDY: Viking EcoStar Seneca Shake Tiles



Viking comes to the rescue with this Greek Revival character home

THE CHALLENGE

A beautiful 1930s double-story Greek-Revival character home was being completely renovated to protect its heritage. The existing roof had old cedar timber shakes which were tired and in need of replacement.

Only the best would suffice for the homeowner who required a roofing product that identified aesthetically with the building's architectural era; but just as importantly, stood the test of time and required little maintenance.

THE SOLUTION

The homeowner preferred the cedar look, so a representative from Viking Roofspec suggested the installation of EcoStar Seneca Shake Roof Tiles. The colour chosen was Federal Grey. This house would be the first in New Zealand to have this specification.

Viking's EcoStar Seneca Shake roofing tiles comprise of up to 80% post-industrial recycled plastic and rubber. Despite being synthetic, real cedar shakes are used as a template during the manufacturing process, to create intricate texture that truly appears natural. Unlike wood, Seneca Shake provides superior protection from the most extreme weather conditions including temperature change and UV.

The tiles were installed on a StrandSarking substrate which added significant bracing to the building compared with the traditional method of nailing individual tiles to purlins. The combined weight of the roofing system including sarking, was a surprisingly light 24 kg/m² strengthening the building's structure while lessening the stress on it.

The roof was installed by a Viking Approved Applicator, whose level of workmanship mirrored the very high standard required for this period building from both aesthetic and waterproofing perspectives.

THE RESULT

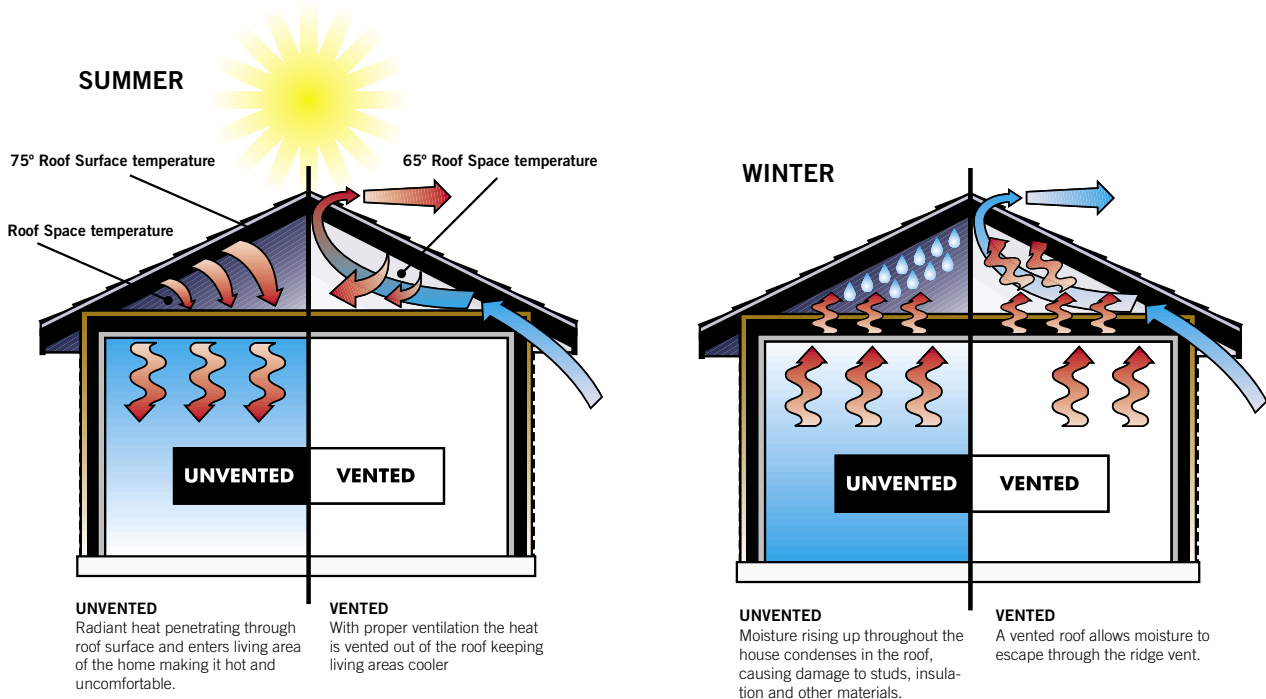
The roof alone has transformed the look of the whole house. Viking EcoStar Seneca Shake Roof tiles not only achieved the desired look, but offered a stronger and lighter weight solution which came with a 50-year product warranty.

The homeowner was ecstatic that the quality of their home had been enhanced, character of the building protected, with little-to-no maintenance required.

Healthier Home

Roof ventilation is an important element of a home's design. Without effective ventilation, excess heat and humidity can render costly consequences, such as damp, mould and rot. Your home will benefit from correct ventilation in both summer and winter.

Viking EcoStar's venting system incorporates the Viking 'Ecovent'; the strength of which offers unmatched durability and protection against rain, snow and ice, whilst providing a breathable, yet efficient barrier in virtually all weather conditions.



Viking StrandSarking

StrandSarking Substrate

The structural integrity of Viking EcoStar asphalt is enhanced through the installation of a treated timber sarking substrate onto which they are fastened.

StrandSarking is an H3.1 treated strand board designed and manufactured in New Zealand specifically as a substrate for StrandSarking's benefits far outweigh alternative substrates.

Lightweight

Viking Roofspec's pitched roofing systems installed over StrandSarking with a total weight of up to 25kg/m² may be considered 'light-weight' for design purposes in accordance with NZS3604.

Safety

This durable and light-weight substrate, braces the entire building; negating the need for extra structural requirements for heavy-weight roofing materials.

A more rigid roof

StrandSarking is more rigid and spans further than plywood, minimising: the propensity for the board to sag between trusses; the visibility of sheet joints; and any unevenness in the structure, creating a more rigid, flatter and sharper looking roof.



Product Specification

DIMENSIONS	TREATED	WEIGHT
3600mm x 800mm x 16.3mm	H3.1	32kg - 11kg/m ²



**Contact us here
to meet your needs**

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