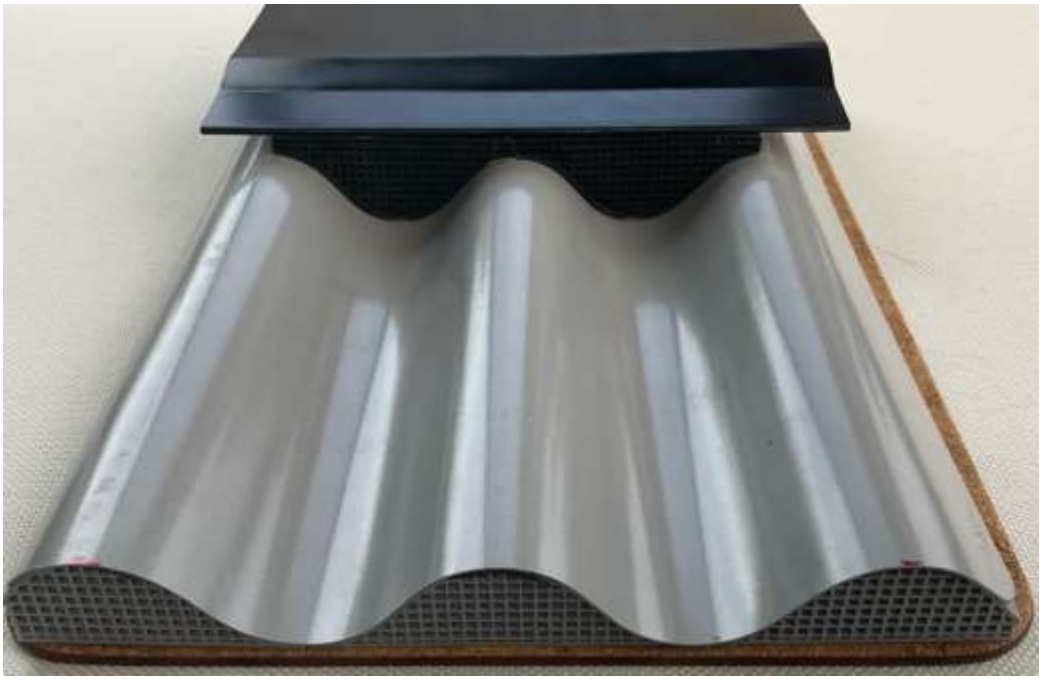
Product Technical Statement

Vent Guard



Overview
Vent Guard systems are a range of products designed to allow passive ventilation while preventing the entry of bugs, birds and vermin. Products are available to suit gutter line, ridges and head barges, hips and valleys, and can be custom made to suit any other junction.

Manufacturer
Manufactured in New Zealand by Edging Systems limited, 630 Devon Road, New Plymouth.
www.edgingsystems.co.nz

Relevance to the NZ Building Code

E3 – Internal Moisture
The use of Vent Guard systems will contribute to compliance with E3.1 (a), E3.2 (a), and E 3.3.1, by facilitating the diffusion of internally generated water vapour to the outside of the building by passive ventilation.

G3 - Ventilation
The use of Vent Guard systems will contribute to compliance with G3.3 (a) and G3.2.1, by preventing insects and vermin gaining entry via passive ventilation pathways.

Appearance
Vent Guard is manufactured from UV stabilised, HDPE (High density Polyethylene). It comprises a profiled shape to fit either under or over the roof profile, with a grid pattern of 4mm x 4mm voids to allow for air movement. Apex systems have a 10 mm clearance height above the roof crest, to allow for free air movement over the roofing stop end.

Scope of use
Vent guard can be used in any building within the scope of NZBC E3, and other roofs where roof temperatures do not exceed 100^0C. It is available for all corrugate and trapezoidal profiles, and selected trough section and tray roofs. It can be used with fleece underlay alternatives, or designs using conventional underlay.

Installation

Vent Guard may be installed by any competent roofer or builder; it does not require specialised training or equipment. It can be installed during roof installation or retro fitted. As the roof sits flush with the purlin, it does not require lowering of spouting to achieve free air clearance at the eaves.

Design

Vent Guard can be used as a full balanced ventilation system, or individual components can be used to compliment other proprietary systems.

Details
Details in CAD and PDF available at www.roofguard.co.nz/detailsg

With Fleece roofing	Eaves Vent
	Stepped Ridge
	Stepped Head Barge
	Transverse Apron
With Underlay	Soffit Vent
	Vented Fascia
	Stepped Ridge
	Stepped Head Barge
	Transverse Apron