

Green Star NZ Compatibility Analysis

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Client	Forman Building Systems
Product name	Kingspan - Kooltherm K10 soffit board Insulation

Premium performance insulation solutions
For commercial & residential projects



- Pitched Roof
- Cavity Wall
- Floor
- Dry-Lining

- Timber Frame
- Flat Roof System
- Soffit Lining
- Cavity Closers

Make the Grade with Kingspan Insulation




This document represents the conclusions of a thorough analysis and review of manufacturer and product information in relation to Green Star NZ rating tools and requirements.

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Disclaimer

Please read this carefully

This document is only applicable to the Green Star NZ tools and related credit categories described herein. The New Zealand Green Building Council reserves the right to revoke this document if the product changes and to audit the information contributing towards this summary document at any time.

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The information presented in this report is valid for the Green Star NZ tools herein only. As and when the NZGBC brings out new Green Star NZ tools, the information may require updating. EnviroSpec will only update information in this report upon receiving written consent from the Manufacturer, supplier or upon request from the NZGBC. It is the responsibility of the reader to check for regular updates.

Introduction

EnviroSpec *Verification Services* responds to the needs of product manufacturers and specifiers by speeding up the decision-making process. EnviroSpec *Verification Services* provides the assessment and review of product and manufacturing data against existing standards, specifications or requirements and publishes the results in a user-friendly format.

Green Star NZ

Green Star NZ is a rating tool for buildings operated by the New Zealand Green Building Council (www.nzgbc.org.nz). All Green Star NZ rating tools operate under the same framework of eight Environmental Impact Categories, plus innovation.

These include:

Management	IEQ	Energy	Transport	+ Innovation
Water	Materials	Land Use & Ecology	Emissions	

Each category is divided into specific credits that aim to improve the environmental performance of the building. Points are awarded for each credit for actions that demonstrate that the project has met the overall objectives of Green Star NZ.

Products may contribute towards positive Green Star NZ outcomes in a number of ways:

Manner in which the product may contribute towards points in Green Star NZ	Associated Symbol in EnviroSpec
• Products must meet specific criteria (e.g. Paint VOC emissions, carpets, etc)	✓
• Products may help achieve points by their very nature, if they are specified and included in the design in accordance with Green Star NZ requirements (e.g. bicycle racks)	●
• Products may help achieve an outcome but they must be used in a specific manner (e.g. lighting control and zoning systems) OR This product can contribute towards the outcome but many other products or factor influence that same outcome (E.g. Potable Water Calculator)	○

EnviroSpec is the trusted source of information on product contributions towards Green Star NZ. Summary sheets for each of the relevant Green Star NZ tools are provided in this document and can be printed for use during Green Star NZ submissions.

Green Star NZ submissions

For purposes of a Green Star NZ submission, please print off the *Green Star NZ summary sheet supplied separately*

Green Star NZ Summary Sheet

Note: A two-page printable "summary sheet" is provided separately. Please refer to www.envirospec.co.nz

Green Star NZ tool	Credit category	Points available ¹	Contribution symbol	Contribution Potential (points) ¹	Detail
Office Design and Built V.1	EMI-8	1	✓	1	This credit rewards the use Insulations products that contain no Ozone Depleting Substances in their content or Manufacture. Kooltherm K10 soffit board Insulation satisfies these criteria.
Office 2009	EMI-3	1	✓	1	This credit rewards the use Insulations products that contain no Ozone Depleting Substances in their content or Manufacture. Kooltherm K10 soffit board Insulation satisfies these criteria.
Education 2009	EMI-3	1	✓	1	This credit rewards the use Insulations products that contain no Ozone Depleting Substances in their content or Manufacture. Kooltherm K10 soffit board Insulation satisfies these criteria.
Industrial 2009	EMI-3	1	✓	1	This credit rewards the use Insulations products that contain no Ozone Depleting Substances in their content or Manufacture. Kooltherm K10 soffit board Insulation satisfies these criteria.
Office Interiors 2009	EMI-3	1	✓	1	This credit rewards the use Insulations products that contain no Ozone Depleting Substances in their content or Manufacture. Kooltherm K10 soffit board Insulation satisfies these criteria.

¹ Points available and points achieved are considered pre-weighting. Final Green Star NZ category weightings for each tool still apply.

General compliance guidance

Green Star NZ – All tools

Impact Category	Credit Title	Credit No	Points Achieved	Product Contribution	Related Supporting Evidence (Design rating only)
Emissions	Insulant ODP	EMI-8 (for Office Design and Built v.1) EMI 3 for all other tools	1 (out of 1)	Kooltherm K10 soffit board Insulation does not contain Ozone Depleting Substances, nor does it require the use of these substances during manufacture	Specification extract clearly stating an ODP of Zero for all Thermal Insulation products and identifying where Kooltherm K10 soffit board Insulation is applied.

Annexe A – Supporting evidence

INSULATION



EnviroSpec Ltd.
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July 17, 2009

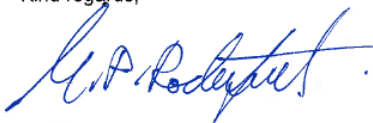
RE: Conformance Declaration of environmental credentials

To whom it may concern,

I hereby confirm that the Kingspan Kooltherm K10 Soffit Board has an Ozone Depletion Potential of Zero, meaning no ODS are present in the final product or used in the direct manufacture of the product.

The above statement encompasses all Ozone Depleting Substances as notified by the Montreal Protocol to the Geneva Convention and all Class 1 and Class 2 ODS as notified by the Environmental Protection Agency (attached list).

Kind regards,



Malcolm Rochefort

Technical Director

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