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Green Building Rating Compatibility Analysis

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Validity		
	Office 2009 + V3 / Interiors 2009 + V3 / Education 2009 + V3 + V3.1 / Industrial 2009 + V3	✓
	Homestar V2 + V3 + V4	✓
	V 1.1	Not applicable
	V3.0	Not yet assessed
	NABERSNZ	Not yet assessed
	Passivhaus	Not yet assessed
	Net Zero NZ	Not yet assessed

Client
Kingspan Insulation Australia and New Zealand

Product Name
Kingspan – Kooltherm K3/K5/K8/K10/K12/K15/K17/K18

Product Description
<p>The Kingspan Kooltherm® range is an extensive range of super high performance rigid thermoset insulation for roofs, walls and floors. Kooltherm is manufactured under and ISO 14001 Environmental Management System; it contains no CFC's, HCFC's and is zero ODP.</p> <p><u>Note:</u> K17 and K18 include a plasterboard surface layer that has been secured with a solvent based adhesive.</p>





Manner in which the product may contribute towards points	Legend of Symbols 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 installed (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)	○

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Tool	Credit category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star NZ Office (2009 + V3) + Education (2009, V3 + V3.1) + Industrial (2009 + V3) + Interiors (2009 + V3)	EMI - 3	1 point	This credit rewards the use of insulation products that contain no Ozone Depleting Substances in their content or Manufacture.	✓	1 point	The nominated product satisfies these criteria.
Green Star NZ Office V3.0 + Education V3.1 + Industrial V3.0 + Interiors V3	MAT-3	5	<p>This credit rewards up to 5 points in total.</p> <p>CRITERIA A</p> <ul style="list-style-type: none"> Up to 3 points are allocated for the use of Environmentally preferable products (including Applied coatings, Insulation, Flooring, Internal walls and partitions). Each product type is worth up to 1 point. <p><u>Benchmarks are:</u></p> <ul style="list-style-type: none"> - 0.5 points are awarded if > 50% of a selected product type complies - 1 point is awarded if > 90% of a selected product type complies. <p>CRITERIA B</p> <p>Up to 2 further points are allocated if "common uses of PVC" (including flooring and resilient wall coverings, pipes, wires and blinds) meet the GBCA Best Practice Guidelines or are PVC-free. 1 point is awarded if > 60% by cost complies and 2 points are awarded if > 90% by cost complies</p>	✓	Up to 0.5 points	<p>CRITERIA A.</p> <p>This product is ISO14001 certified, contributing up to 0.5 points (unweighted in the calculator.)</p> <p><i>Note: the remaining points in criteria A are achieved if the other product types also comply.</i></p>
Homestar (V2 and V3)	EHC - 6	15	This credit rewards the good thermal performance of the overall building design, encompassing insulation, glazing, orientation, ventilation and massing.	○	Contribution potential	Thermal insulation products are strongly encouraged in the walls, ceilings (and under floor) to level that are higher than required by Building Code to help achieve a better thermal performance of the building.
	EHC - 7	4.5	This credit rewards the minimisation of moisture accumulation and condensation within the property. Minimum levels of insulation are required to pass the mandatory requirements.	○	Contribution potential	<p>Assuming the floor has an R value of at least R1.5, using Kingspan insulation can easily help achieve at least R 1.5 final construction value for walls and ceiling which provides 0.5 points.</p> <p>By increasing the insulation level to at least final construction values of R2.0 for wall, floor and ceiling and including efficient windows with R0.3, then this can provide an additional 1.1 points.</p> <p><i>The remaining points relate to moisture control, extraction, drainage and ventilation. Please refer to Technical Manual.</i></p>

- Green Building Summary Sheet -

	MAT-1	9	This credit rewards the use of eco-preferred and responsibly sourced materials. Insulation products are one of thirteen possible construction types eligible for 1 merit each.		0.5 merits (out of 1 available for this construction system)	The nominated product is ISO14001 Certified, thus contributing towards 0.5 merits for this credit
Homestar V4	EHC-1	20	This credit rewards the good thermal performance of the overall building design, encompassing insulation, glazing, orientation, ventilation and massing.	○	Contribution potential	Thermal insulation products are strongly encouraged in the walls, ceilings (and under floor) to levels that are higher than required by Building Code to help achieve a better thermal performance of the building. The nominated product(s) can help achieve this outcome.
	EHC-4	5	This credit rewards measures that reduce condensation on and within building components to improve the indoor environment for occupants.	○	Up to 2 points	Provided there is no thermal bridging in the design from steel or concrete elements (or that these thermal bridges are isolated with insulation) then the nominated products can help achieve the minimum construction system R values required for Homestar.
	MAT-1	10	This credit rewards the use of eco-preferred and responsibly sourced materials. Insulation products are one of thirteen possible material categories eligible for 2 points each.		1 point (out of 2 available for this material category)	The nominated product is ISO14001 certified contributing to 1 point (unweighted in the calculator.)
Living Building Challenge		Pass/Fail	This product has not been assessed against this criteria.	-	-	N/A
SBN Circular Economy Office Model V1.1		Pass/Fail	This product has not been assessed against this criteria.	-	-	N/A