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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	Not yet assessed
	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
Fairview

Product Name
Thermal Linear 40 (TL40)

Product Description
<p>Fairview Thermal Linear 40 is a thermally broken double glazed aluminium window with 'Thermal break' technology. This ensures the aluminium is more robust to changes in temperature. Designed for residential environments where improved thermal performance is important.</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. The nominated 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
Homestar (V2 + V3)	EHC - 6	15	This credit rewards the reduction of consumed energy associated with space heating of the house, through good passive solar design and insulation.	○	Contribution Factor	Thermally broken double glazed windows have higher thermal performance, providing a positive contribution towards EHC-6 and may help pass mandatory minimum requirements to achieve 7 star rating or above in Homestar.
	EHC - 7	4.5	This credit rewards the reduction of moisture levels and improved indoor environment for occupants.	○	Contribution Factor (up to 1.6 points for condensation points)	Selecting 'Thermally Broken Double Glazing' in the Homestar tool allows passing the minimum R value of 0.3 for windows to reduce the risk of mould and to increase the durability of the home. If combined with construction methods ensuring ceilings/ walls/floors meet minimum R-value of 1.5, then 1.6 points can be achieved.
Homestar V4	EHC-1	20	This credit rewards the reduction of purchased energy associated with space heating and cooling of the house, through good design of the thermal envelope.	✓	Up to 15 points	The nominated product can obtain points in this credit using the Schedule method, based on the windows R values. This ranges from R0.26 to R0.44 depending on the climate zone.
	EHC-4 (total 5 points)	3	<u>(1) Minimising Thermal Bridges</u> This credit rewards reduced condensation on or within building components, of which sub-category (1) awards points for constructions that reduce low surface temperatures.	✓	Up to 1 point (out of 1 available for windows)	The nominated product automatically complies for 0.5 points as these windows are thermally broken. The additional 0.5 points can be claimed if all windows and doors are thermally broken and the thermal break is located inside the thermal control layer i.e. closer to the inner side of the wall, refer to technical manual for further details.)
		2	<u>(2) Minimising condensation</u> This credit rewards reduced condensation on or within building components, of which sub-category (2) awards points for constructions that include a continuous air and vapour control layer, and air leakage testing is undertaken during construction.	N/A	N/A	N/A