



Author	EnviroSpec Verification Services	
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Validity	Created on 19/06/2014– Valid for the following Green Building Certification Tools	
		
	V 2.0	✓
Client	MaxRaft	
Product name	MaxRaft	
Product description	<p>Maxraft is an alternative way to install insulation under concrete slab and on edge. Maxraft provides a box shape insulation frame and gives zero thermal bridging. No traditional box is required for establishing concrete foundation.</p>	

Manner in which the product may contribute towards points	Legend of Symbols in EnviroSpec
<ul style="list-style-type: none"> • Products must meet specific criteria (e.g. Paint VOC emissions, carpets, etc) 	✓
<ul style="list-style-type: none"> • Products may help achieve points by their very nature, if they are specified and included in the design in accordance with Green Star NZ / Homestar requirements (e.g. bicycle racks) 	●
<ul style="list-style-type: none"> • 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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It is the responsibility of the reader to check for regular updates.

Tool	Credit category	Points available ¹	Contribution symbol	Contribution Potential ¹	Detail
Homestar V2.0	EHC - 6	15	○	Contribution potential	<p>This credit rewards the reduction of energy required to heat and cool the internal spaces by focusing on good performance in terms of insulation, glazing, orientation, massing and ventilation.</p> <p>Maxraft can be used to create a complete under-slab and around edge insulation system.</p> <p>With optimal floor area to perimeter ratio, this will contribute towards positive thermal performance and can help achieve the mandatory minimum for 7 Star or above ratings.</p>
	EHC - 7	4.5	✔	Up to 1.6 points <small>(out of 1.6 points in "Minimizing Condensation" section)</small>	<p>This credit rewards the good control of indoor moisture by eliminating moisture sources, condensation and providing adequate ventilation.</p> <p>Maxraft provides a good thermal performance to flooring and allows to pass the mandatory minimum floor R-value of R1.5. Assuming the walls and ceilings are also insulated to at least this level will award 0.5 points under the "minimizing condensation" category.</p> <p>With optimal floor area to perimeter ratio it may be possible to achieve above R2.0, and assuming suitable insulation and performance of wall, ceiling and windows, this would allow to claim the maximum 1.6 points available in the "minimizing condensation category.</p> <p>The remaining points for EHC 7 are related to drainage and ventilation options. Please refer to the Technical Manual.</p>

¹ Points available and points achieved are considered pre-weighting. Final Green Star NZ / Homestar category weightings for each tool still apply. The NZGBC and Homestar retain final authority on points allocation for projects.