

Product Name	MagnaFlow longrun steel roofing / cladding (supplied to market by either Roofing Industries New Zealand, or Dimond Roofing)
Document Type	Green Building Rating Compatibility Analysis
Document Code	ES-GSNZ-21-97b
Client	ColorCote

MagnaFlow is ColorCote's most innovative corrosion resistant pre-painted metal roofing product, with magnesium added technology. Magnesium allows the zinc/aluminum alloy-coated steel substrate to 'heal itself' along any cut or exposed edges of the material, which prevents premature corrosion. The product carries an EPD and when supplied to market by either Roofing Industries New Zealand, or Dimond Roofing then the product also carries GreenTag GreenRate Level A certification .







Green Star Buildings	Credit 07	Up to 4 points
Green Star Design & As Built NZ (V1)	Credit 19B.2A	Up to 1 point
	Credit 21	Sustainability Factor (SF) = 1
Green Star Interiors (V1)	Credit 21	Sustainability Factor (SF) = 1



Homestar V5	EN3	Up to 3 points
	EN5	Pre-requisite compliant
Homestar V4	MAT1	Up to 4 points

n 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 The nominated product(s) can contribute towards the outcome but many other products or factor influence that same outcome (E.g. Potable Water Calculator)	○
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Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star Design & As Built NZ (V1)	Credit 07	4	<p>The building's envelope is comprised of responsibly manufactured products.</p> <p><u>Credit achievement</u> – 1 point is available if 15% of all building envelope components (by cost) meet a RPV &gt;10.</p> <p>2 point is available if 30% of all building envelope components (by cost) meet a RPV &gt;10.</p> <p><u>Exceptional Performance</u> – In conjunction with the Credit Achievement stated above, 1 point is available if 5% of all building envelope components (by cost) meet a RPV &gt;15 or 45% of all building envelope components (by cost) meet a RPV &gt;10.</p> <p>2 point is available if 10% of all building envelope components (by cost) meet a RPV &gt;15 or 60% of all building envelope components (by cost) meet a RPV &gt;10.</p> <p><i>The envelope is defined as the elements that surround a building such as the façade, and all façade components such as external shading and insulation, suspended slabs, as well as roofing systems.</i></p>		Up to 4 points	The nominated products hold GreenTag GreenRate level A certification, as well as a product specific EPD and a DECLARE red-list compliant label, which combined equate to RPV 20.

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star Design & As Built NZ (V1.0)	Credit 19	7	<p><i>Disclaimer: The below is only applicable to Design and Build V1.0 Projects. (In the updated V1.1 rating tool the option for 19b Life Cycle Impacts compliance no longer exists and the project can only claim points for its building embodied carbon calculations)</i></p> <p>-----</p> <p>This is a sub-section of Credit 19 (19b-Life Cycle Impacts). This credit section rewards a reduction in the mass of steel framing used when compared to standard practice. The reduced mass of steel framing can be demonstrated by one of the following design initiatives:</p> <ul style="list-style-type: none"> <li>• High strength steel; or</li> <li>• Reduction in mass of steel framing by 5% when compared to a suitable reference building.</li> </ul> <p><b>High Strength Steel</b> - For this option, project teams must demonstrate that 95% of Category A products and 25% of Category B products meet the strength grades specified in Table 19B.2A.1 and Table 19B.2A.2, as applicable.</p> <p><b>Reduction in Mass</b> - For this option, project teams must demonstrate that the project results in a 5% or more reduction in mass of steel framing, when compared to a suitable reference case building. To demonstrate compliance the Submission Template must be completed by a qualified Structural Engineer and require a number of justifications as prescribed by the Green Star Submission Guidelines.</p>		Up to 1 point (out of 1 point available for this credit category)	<p>Table 19B.2A.1 identifies (amongst others) that roof sheeting and wall sheeting that has a minimum strength grade of 550MPa can be used to contribute towards the compliant products.</p> <p>ColorCote is able to provide CoC certificates that identify the strength grade (e.g. G550, G300, etc). These are available on request and the strength grade to be sourced should be clearly specified by the Design Team.</p>
	Credit 21	3	<p>This credit rewards the selection of products that meet transparency and sustainability requirements. Points are awarded based on the Project Sustainability Value (PSV*) and comparing it with the Project Contract Value (PCV).</p> <p><u>Benchmarks are:</u></p> <ul style="list-style-type: none"> <li>- 1 point is awarded if PSV &gt; 3% of PCV</li> <li>- 1 point is awarded if PSV &gt; 6% of PCV</li> <li>- 1 point is awarded if PSV &gt; 9% of PCV</li> </ul> <p><i>The Project Sustainability Value is the sum of all the compliant product's "Product Sustainability Value" (PSV).</i></p> <p><i>The PSV = Sustainability Factor x cost of product</i></p>		Sustainability Factor (SF) = 1	<p>The nominated product holds a level A approved eco-label, therefore the Product Sustainability Value (PSV) can be calculated as :</p> <p>"Product Cost x 1".</p>
Green Star Interiors NZ (V1)	Credit 21	19	<p>This credit rewards the selection of products that meet transparency and sustainability requirements. Points are awarded based on the Project Sustainability Value (PSV*) and comparing it with the Total Materials Cost (TMC).</p> <p><u>Benchmarks are:</u></p> <ul style="list-style-type: none"> <li>- 3.8 points are awarded if PSV &gt; 20% of TMC</li> <li>- 7.2 points are awarded if PSV &gt; 40% of TMC</li> <li>- 11.4 points are awarded if PSV &gt; 60% of TMC</li> <li>- 15.2 points are awarded if PSV &gt; 80% of TMC</li> <li>- 19 points are awarded if PSV = 100% of TMC</li> </ul> <p><i>The Project Sustainability Value is the sum of all the compliant product's "Product Sustainability Value" (PSV).</i></p> <p><i>The PSV = Sustainability Factor x cost of product</i></p>		Sustainability Factor (SF) = 1	<p>Should the product ever be used for an interior decorative application, the nominated product holds a level A approved eco-label, therefore the Product Sustainability Value (PSV) can be calculated as :</p> <p>"Product Cost x 1".</p>

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Homestar V5	EN3	10	This credit rewards the selection of eco-preferred and responsibly sourced materials, with twelve possible material categories eligible for up to 1.5 points each (up to a maximum of 10 points combined), provided > 50% of product compliance is achieved based on the relative weighting of individual product ecolabel certifications.	✓	Up to 3 points	The nominated product has a level A approved ecolabel, satisfying the requirements for this credit. If used for roofing and cladding then up to 3 points can be claimed (i.e. 1.5 points for each application).
	EN5	4	This credit aims to encourage a whole site approach that improves the ecological value of the site while reducing stormwater runoff, flooding, pollution, and erosion.  A pre-requisite to claiming any points in this credit is to ensure dwellings do not include uncoated zinc galvanised roofing, or any copper guttering and drainage pipes.	✓	Pre-requisite compliance achieved	The nominated product has no exposed metal and includes waterborne acrylic or polyester top coat.
Homestar V4	MAT-1	10	This credit rewards the selection of eco-preferred and responsibly sourced materials, with thirteen possible material categories eligible for up to 2 points each (up to a maximum of 10 points combined), provided > 50% of product compliance is achieved based on the relative weighting of individual product ecolabel certifications.	✓	Up to 4 points	The nominated product has a level A approved ecolabel, satisfying the requirements for this credit. If used for roofing and cladding then up to 4 points can be claimed (i.e. 1.5 points for each application).

# Select recognised initiative in Initiative Score Checker

Please select from the list below of recognised initiative to view Responsible Product Values (RPV's). A product that has been recognised by this initiative scores the RPV of that initiative. Scores are subject to change at any time.

Clear all filters

Filter

Filter by Organisation



Filter

Filter by RPV



Search



Colorcote Magnaflow

Initiative

Organisation

Select

Selected Initiative(s) (Total 3 Selected):

GreenRate Level A

EPD Australasia – Product-specific EPD

Declare 2.0 - Red List Approved

Clear all



Responsible Product Value

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