

<b>Product Name</b>	<b>Mannington Integra HP &amp; Infinity 2 Carpet Tile with EPD</b>
<b>Document Type</b>	Green Building Rating Compatibility Analysis
<b>Document Code</b>	ES-GSNZ-19-94f
<b>Client</b>	Belgotex New Zealand

Products covered include Mannington Integra HP Broadloom and Mannington Infinity 2 Carpet Tiles, as covered by the Product Specific EPDs issued by NSF (EPD10392 & EPD10179).

Mannington Integra HP Broadloom - represents a broad variety of carpet styles and colours with Integra® HP Broadloom backing, and made with either Nylon 6,6 or Nylon 6 yarn (either solution dyed, space dyed, or a combination of these methods). Integra HP® is high performance integrated broadloom backing system with pre-consumer recycled content.

Mannington Infinity 2 Carpet Tiles – represents a broad variety of carpet styles and colours with Infinity 2® backing system and made with either Nylon 6,6 or Nylon 6 yarn (either solution dyed, space dyed, or a combination of these methods). Integra HP® is high performance integrated broadloom backing system with pre-consumer recycled content. Infinity 2® modular is available in various modular sizes, making installation and replacement simple, while Infinity 2 Six Foot is available in uncut, six-foot lengths.






Green Star Design & As Built NZ (V1)	Credit 13	1 point
	Credit 21	Sustainability Factor (SF) = 0.75
Green Star Interiors NZ (V1)	Credit 12	2 points
	Credit 21	Sustainability Factor (SF) = 0.75
Green Star Performance NZ (V1)	Credit 21	1 point
Green Star NZ (V3) Office / Industrial / Interiors & Education V3.1	MAT 3	Criteria A - 1 point & Criteria B – 1.5 points
	MAT 4	1 point



Homestar V5	HC 7	1 point
	EN 3	1.25 points
Homestar V4	MAT-1	1.5 points
	MAT-2	1 point





WELL Building Standard® V1	Feature 04	Complies
WELL Building Standard® V2	Feature X06	1 point (Part 2)

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 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 13	2	<p>This credit rewards the use of low VOC and low formaldehyde interior products and finishes that safeguard occupant health through the reduction in internal air pollutant levels.</p> <ul style="list-style-type: none"> <li>- 1 point is available where at least 95% of all internally applied paints, adhesives, sealants and carpets meet stipulated 'Total VOC Limits', or, where no paints, adhesives, sealants or carpets are used in the building.</li> <li>- 1 point is available where at least 95% of all engineered wood products meet stipulated formaldehyde limits or no new engineered wood products are used in the building.</li> </ul>	✓	1 point	<p>The nominated product has CRI Green Label Plus certification, which is one of the VOC testing protocols nominated in the relevant ECNZ specification, thus satisfying the requirements of this credit.</p> <p><i>Note: achieving 2 points here is dependent on the remaining products in the category also being compliant.</i></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) = 0.75	<p>The nominated products hold a valid product specific EPD , therefore the Product Sustainability Value (PSV) can be calculated as :</p> <p>"Product Cost x 0.75".</p>
Green Star Interiors NZ (V1)	Credit 12	6	<p>This credit rewards the use of plants, as well as low VOC and low formaldehyde interior products and finishes that safeguard occupant health through the reduction in internal air pollutant levels.</p> <ul style="list-style-type: none"> <li>- 2 points are available where at least 95% of all internally applied paints, adhesives, sealants and carpets meet stipulated 'Total VOC Limits', or, where no paints, adhesives, sealants or carpets are used in the building.</li> <li>- 2 points are available where at least 95% of all engineered wood products meet stipulated formaldehyde limits or no new engineered wood products are used in the building.</li> <li>- 2 points are available where indoor plants are distributed across the nominated area and are regularly maintained.</li> </ul>	✓	2 points	<p>The nominated product has CRI Green Label Plus certification, which is one of the VOC testing protocols nominated in the relevant ECNZ specification, thus satisfying the requirements of this credit.</p> <p><i>Note: achieving 2 points here is dependent on the remaining products in the category also being compliant.</i></p>
	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) = 0.75	<p>The nominated products hold a valid product specific EPD , therefore the Product Sustainability Value (PSV) can be calculated as :</p> <p>"Product Cost x 0.75".</p>

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Green Star Performance NZ (V1)	Credit 21	3	<p>This credit rewards the measurement and reduction of the environmental impacts of materials in building operations, maintenance and upgrades.</p> <p><u>Benchmarks are:</u></p> <ul style="list-style-type: none"> <li>- 1 point is awarded for developing a sustainable procurement framework</li> <li>- 1 point is awarded where the top 3 consumable materials are purchased in accordance with the procurement framework</li> <li>- 1 point is awarded where &gt; 75% by cost of refurbishment and maintenance materials are purchased in accordance with the procurement framework, or 0.5 points if &gt; 50% by cost comply.</li> </ul> <p><u>Refurbishment materials</u> - This includes at a minimum :</p> <ul style="list-style-type: none"> <li>- <b>Paints adhesives, sealants and carpets</b> (to comply with Green Star V3 "Low emitting materials"),</li> <li>- <b>Concrete</b> (to comply with Green Star V3 "Concrete and Aggregate"),</li> <li>- <b>Steel</b> (to comply with Green Star V3 "Steel").</li> </ul> <p><i>* Note: This credit can, if desired, be extended to include doors, wall finishes and paneling, wall and roof insulation, carpet, floor tiles, ceiling tiles, light fixtures and any other building component owned by the building owner (e.g. roof replacement, built in furniture and joinery, etc)</i></p> <p><i>This only applies if the refurbishment work is &gt; \$5/m2, otherwise the credit is deemed N/A</i></p>	✓	1 point	<p>The nominated product has CRI Green Label Plus certification, which is one of the VOC testing protocols nominated in the relevant ECNZ specification, thus satisfying the requirements of this credit.</p> <p><i>Note: achieving 0.5 or 1 point here is dependent on total % achieved when including the other refurbishment products purchased.</i></p>

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
Homestar V5	HC7	4	This credit rewards the use of low VOC and low formaldehyde interior products and finishes. Carpet is one of four interior finish categories eligible for 1 point each, provided > 80% of product compliance is achieved.	✓	1 point (out of 1 points available)	The nominated product has CRI Green Label Plus certification, which is one of the VOC testing protocols nominated in the relevant ECNZ specification, thus satisfying the requirements of this credit.
	EN3	10	This credit rewards the selection of eco-preferred and responsibly sourced materials, with thirteen possible material categories eligible for up to 1.5 points each, provided > 50% of product compliance is achieved based on the relative weighting of individual product ecolabel certifications.	✓	1.25 points (out of 1.5 points available for this material category)	The nominated product is covered under a product specific EPD (for a range of products from the manufacturer) which carries a weighting of 1.25 points,
Homestar V4	MAT-1	10	This credit rewards the use of eco-preferred and responsibly sourced materials. Flooring products are one of thirteen possible material categories eligible for 2 points each.	✓	1.5 points (out of 2 points available for floor coverings)	The nominated products hold a valid product specific EPD contributing to 1.5 points
	MAT-2	4	This credit rewards the use of low VOC and low formaldehyde interior products and finishes. Floor coverings are one of four material categories eligible for 1 point each.	✓	1 point (out of 1 available for engineered wood)	The nominated product has CRI Green Label Plus certification, which is one of the VOC testing protocols nominated in the relevant ECNZ specification, thus satisfying the requirements of this credit.

Rating Tool	Credit / category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
WELL Building Standard® V1	Feature 04	Pass/Fail	<p>Any newly installed items from the below product groups must meet prescribed low emissions criteria and/or equivalencies.</p> <p><b>PART 1:</b> Interior Paints and Coatings  <b>PART 2:</b> Interior Adhesives and Sealants  <b>PART 3:</b> Flooring  <b>PART 4:</b> Insulation (excluding duct insulation)  <b>PART 5:</b> Furniture and Furnishings</p> <p>For detailed compliance criteria and acceptable equivalencies please refer to WELL V1 Standard</p>		Pass	This flooring product holds Green Label Plus Low VOC certification, which has been approved by IWBI as an acceptable equivalency to demonstrate compliance with this feature.
WELL Building Standard® V2	Feature X06	4	<p><b>Part 1 - Wet-Applied Products</b> (applicable to all spaces)                  2 points are available if newly installed interior wet-applied paints, coatings, adhesives, sealants and finished poured floorings used inside the building envelope (minimum 10 distinct products or applied to at least 10% of project area) meet the methods and VOC emission thresholds of various nominated standards, AND &gt; 75% of products (by surface area or volume) are tested by a third-party laboratory to meet testing methods and thresholds of CDHP Standard Method v1.2., AgBB.9, or European Union LCI VOC thresholds following EN 16516-1:2017 testing methods.</p> <p><b>Part 2 - Furniture, Architectural and Interior Products</b> (applicable to all spaces)                  Up to 2 points are available if 2 of the following product categories are compliant as follows:                  &gt; 90% of Flooring (by area or cost)                  &gt; 75% of Furniture, millwork and fixtures (by cost)                  &gt; 75% Insulation, ceiling and wall panels (by area or cost)                  To be compliant, products must either comply with VOC thresholds in nominated standards, or be made exclusively from inert materials, or installed for at least 6 months before project registration or manufactured and unmodified at least one year before project registration.</p> <p>For detailed compliance criteria and acceptable equivalencies please refer to WELL V2 Standard</p>		1 point (Part 2)	This flooring product holds Green Label Plus Low VOC certification, which can be used to demonstrate compliance with California Department of Public Health (CDPH) Standard Method v1.2, thus demonstrating compliance with this feature.