

<b>Product Name</b>	Envirolex® Eco Power Declare Labelled and PVC Free Cables
<b>Document Type</b>	Green Building Rating Compatibility Analysis
<b>Document Code</b>	ES-GSNZ-20-96a
<b>Client</b>	Nexans New Zealand

Envirolex Eco Power cables from Nexans are manufactured in New Zealand, China and Australia. Envirolex is a range of environmentally preferable cables developed for both domestic and commercial applications. Made with low smoke and zero halogen materials, Envirolex® cables are PVC free and engineered to reduce environmental impact under fire condition. Envirolex® have Red List Free Declare status, making them a healthy product choice for Sustainable building projects. Envirolex® has a take back program and 50% of the product can be recycled at the end of its life. The Envirolex® range is also compliant with the Living Building Challenge.



Green Star Design & As Built NZ (V1)	Credit 20	1 point
Green Star Interiors NZ (V1)	Credit 12	2 points
	Credit 20	1 point
	Credit 21	Sustainability Factor (SF) = 1
Green Star NZ (V3) Office / Industrial / Interiors + Education V3.1	MAT 3	Criteria B – 2 points
	MAT 4	1 point



Living Building Challenge V3	Imperative 10	Pass
	Imperative 12	Pass
	Imperative 13	Pass * under review
Living Building Challenge V4	Imperative 13	Pass
	Imperative 14	Pass
	Imperative 15	Pass * under review

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)	○

**Disclaimer - Please read this carefully**

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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 20	3	<p>This credit rewards projects that achieve a reduced environmental impact in the sourcing of steel, timber and PVC.</p> <p><b>Steel</b> - 1 point is available where 95% of the building's steel (by mass) is sourced from a Responsible Steel Maker (manufacturer) ; and</p> <p>For steel framed buildings - at least 60% of the fabricated structural steelwork is supplied by a responsible steel fabricator/steel contractor.</p> <p>For concrete framed buildings - at least 60% (by mass) of all reinforcing bar and mesh is produced using energy-reducing processes in its manufacture, or holds Environmental Choice EC-41-15 certification.</p> <p><b>Timber</b> - 1 point is available where at least 95% (by cost) of all timber used in the building and construction works is either certified by a recognised forest certification scheme, or is from a reused source.</p> <p><b>PVC</b> - 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds and cables in a project are either PVC free, or meet the GBCA's Best Practice Guidelines for PVC.</p>	✓	1 point	This cable product is PVC free, which may help contribute up to 1 point provided the user also specifies other relevant items to ensure > 90% of products by cost comply.
			<p>This credit rewards projects that achieve a reduced environmental impact in the sourcing of timber and PVC.</p> <p><b>Timber</b> - 1 point is available where at least 95% (by cost) of all timber used in the building and construction works is either certified by a recognised forest certification scheme or is from a reused source.</p> <p><b>PVC</b> - 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds, and cables in a project are either PVC free, or meet the GBCA's Best Practice Guidelines for PVC.</p>	✓	1 point	
			<p>This imperative restricts the use of products that contain Red List chemicals as nominated by the Living Building Challenge.</p>	✓	Pass	

Green Star Interiors NZ (V1)	Credit 20	2	<p>This credit rewards projects that achieve a reduced environmental impact in the sourcing of timber and PVC.</p> <p><b>Timber</b> - 1 point is available where at least 95% (by cost) of all timber used in the building and construction works is either certified by a recognised forest certification scheme or is from a reused source.</p> <p><b>PVC</b> - 1 point is available where 90% (by cost) of all permanent formwork, pipes, flooring, blinds, and cables in a project are either PVC free, or meet the GBCA's Best Practice Guidelines for PVC.</p>	✓	1 point	This cable product is PVC free, which may help contribute up to 1 point provided the user also specifies other relevant items to ensure > 90% of products by cost comply.
			<p>This imperative encourages responsible industry when sourcing product and materials by rewarding the use of FSC certified timber and/or products that have Declare ingredients label.</p>	✓	Pass	
			<p>This imperative encourages local sourcing of materials to help sustain the local economy and reduce transportation cost. Only 25% of all materials by cost (materials construction budget) can come from any location, with the remaining having to adhere to distance sourcing restrictions.</p>	○	Pass	

Living Building Challenge V3	Imperative 10	Pass/Fail	<p>This imperative restricts the use of products that contain Red List chemicals as nominated by the Living Building Challenge.</p>	✓	Pass	The nominated product(s) meet the requirements.
	Imperative 12	Pass/Fail	<p>This imperative encourages responsible industry when sourcing product and materials by rewarding the use of FSC certified timber and/or products that have Declare ingredients label.</p>	✓	Pass	The nominated product(s) holds a valid Declare label.
	Imperative 13	Pass/Fail	<p>This imperative encourages local sourcing of materials to help sustain the local economy and reduce transportation cost. Only 25% of all materials by cost (materials construction budget) can come from any location, with the remaining having to adhere to distance sourcing restrictions.</p>	○	Pass	Pending sufficient notice is provided to allow Nexans production planning team to include the request into their NZ plant manufacturing schedule (depending on plant loading and raw materials availability) then it might be possible to claim compliance for this Imperative. Each drum of cable has a unique number that allows to trace the origin of manufacture. Upon request, Nexans would be able to provide a Statement of origin specifying the country and manufacturing plant. Early discussion with Nexans is key, and this will be reviewed on a case by case basis.

Living Building Challenge V4	Imperative 13	Pass/Fail	This imperative restricts the use of products that contain Red List chemicals as nominated by the Living Building Challenge.	✓	Pass	The nominated product(s) meet the requirements.
	Imperative 14	Pass/Fail	This imperative encourages responsible industry when sourcing product and materials by rewarding the use of FSC certified timber and/or products that have Declare ingredients label.	✓	Pass	The nominated product(s) hold a valid Declare label.
	Imperative 15	Pass/Fail	This imperative encourages local sourcing of materials to help sustain the local economy and reduce transportation cost. Only 25% of all materials by cost (materials construction budget) can come from any location, with the remaining having to adhere to distance sourcing restrictions.	○	Pass	Pending sufficient notice is provided to allow Nexans production planning team to include the request into their NZ plant manufacturing schedule (depending on plant loading and raw materials availability) then it might be possible to claim compliance for this Imperative. Each drum of cable has a unique number that allows to trace the origin of manufacture. Upon request, Nexans would be able to provide a Statement of origin specifying the country and manufacturing plant. Early discussion with Nexans is key, and this will be reviewed on a case by case basis.

## LEGACY GREEN STAR NZ TOOLS

Tool	Credit category	Points available	Requirements	Contribution symbol	Contribution Potential	Details of compliance
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><b>CRITERIA A</b></p> <ul style="list-style-type: none"> <li>Up to 3 points are allocated for the use of Environmentally preferable products (including Applied coatings, Insulation, Flooring, Ceilings, Internal walls and partitions). Each product type is worth up to 1 point.</li> </ul> <p><u>Benchmarks are:</u></p> <ul style="list-style-type: none"> <li>- 0.5 points are awarded if &gt; 50% of a selected product type complies</li> <li>- 1 point is awarded if &gt; 90% of a selected product type complies.</li> </ul> <p><b>CRITERIA B</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 &gt; 60% by cost complies and 2 points are awarded if &gt; 90% by cost complies</p>	✓	<p>Criteria A 1 point</p> <hr/> <p>Criteria B 2 points</p>	<p><b>CRITERIA A.</b> Not applicable to this product type.</p> <p><b>CRITERIA B</b> This cables product is PVC free, which may help contribute up to 2 points provided the user also specifies compliant pipes, floor coverings, blinds, and resilient wall coverings, ensuring overall &gt; 90% of products by cost comply</p>