

Author	EnviroSpec Verification Services
Document Type	Green Building Rating Compatibility Analysis
Document Code	ES-GSNZ-19-92
Client	Koppers Performance Chemicals NZ
Product Name	MicroPro® Micronised Copper Azole Compounds for timber pressure treatment.

Product Description

MicroPro® uses micronised Copper Azole Compound preservatives to penetrate the timber which provides protection against fungal decay termite and borer attack, better corrosion performance, lighter colour and compatibility with aluminium building components. The product is GreenTag GreenRate Level A certified and has a GreenTag Product Health Declaration. It is certified under Scientific Certification System's EPP based on Life-Cycle Assessment and demonstrates low VOC emissions, as attested by GREENGUARD Children and Schools certification.



Please note:

- The final MicroPro treated timber products are produced by independently owned and operated timber treating facilities.
- MicroPro can also include a micronised colour pigment system, MicroShades, to produce a warm red-brown colour similar to local and imported hardwoods. MicroShades is not covered as part of this assessment.







Validity		
	Homestar V2 + V3 + V4	Not applicable
	V3.1 and V3.2	✓
	V1	✓
	V 1.1	Not assessed
	V3.0	✓
	NABERSNZ	Not applicable
	Passive House	Not applicable
	Net Zero Building Certification	Not applicable

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 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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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 V3.0	MAT-6	3	<p>This credit rewards up to 3 points in total.</p> <p>PRE-REQUISIT CRITERIA</p> <ul style="list-style-type: none"> • 1 point is awarded where 90% (by volume) of all new timber products used in the project and construction works are from certified sustainably managed forests (FSC) OR are re-used or recycled. <p>Where the pre-requisite point is achieved up to a maximum of 2 additional points can be achieved through a combination of criteria A and B:</p> <p>CRITERIA A</p> <ul style="list-style-type: none"> • Up to 2 points are allocated for the use of Environmentally preferable wood products (for applications including structural and non-structural timber including wall, floor and roof structures / External and internal cladding / Structural formwork / Flooring, wall and ceiling finishes / Internal and external joinery including windows, doors and other specialist uses of timber such as installed furnishings, joinery fixtures or balustrades). <p>Benchmarks are:</p> <ul style="list-style-type: none"> - 1 point is awarded if > 30% of selected products comply. - 2 points are awarded if > 60% of selected products comply. <p>CRITERIA B</p> <ul style="list-style-type: none"> • Up to 1 point is allocated for timber used (excluding interior finishing timber products) that has reduced toxicity through either minimum treatment levels / Arsenic , Chrome , LOSP free treatments / non chemical treatments or use of untreated timber. <p>Benchmarks are:</p> <ul style="list-style-type: none"> - 0.5 points are awarded if > 30% of selected products comply. - 1 point is awarded if > 60% of selected products comply. 		Up to 1 point	<p>PRE-REQUISITE CRITERIA. This applies to the timber, not to the timber treatment system.</p> <p>CRITERIA A. This applies to the timber, not to the timber treatment system.</p> <p>CRITERIA B. The nominated product is a timber treatment is free of arsenic and chrome based preservatives and LOSP, and as such carries a weighting of 0.75 in the calculator.</p>
WELL Building Standard®	Feature 97	Pass	<p>PART 1: MATERIAL INFORMATION</p> <p>At least 50% (as measured by cost) of interior finishes and finish materials, furnishings (including workstations) and built-in furniture have some combination of the following material descriptions:</p> <ul style="list-style-type: none"> • Declare Label. • Health Product Declaration. • Any method accepted in USGBC's LEED v4 MR credit: Building Product Disclosure and Optimization - Material Ingredients, Option 1: material ingredient reporting. <p><i>(Note: in order to contribute, the product must indicate that all ingredients have been evaluated and disclosed down to 1,000 ppm)</i></p> <p>PART 2: ACCESSIBLE INFORMATION</p> <p>All declaration information is compiled and made readily available to occupants either digitally or as part of a printed manual.</p>		Pass	<p>PART 1: MATERIAL INFORMATION</p> <p>The nominated product has a GreenTag Gold Product Health Declaration, with ingredients disclosed down to 100ppm, which complies with the minimum 1,000 ppm limited of WELL.</p> <p>PART 2: ACCESSIBLE INFORMATION</p> <p>This is the responsibility of the Design and Construction team, MicroPro has a published GreenTag PhD which can be used as part of the published product information.</p>

Living Building Challenge	Imperative 10	Pass	This imperative restricts the use of products that contain Red List chemicals as nominated by the Living Building Challenge.		Pass	The nominated product complies with the Red list requirement, as is it timber treatment that contains no Creosote, Arsenic or Pentachlorophenol.
	Imperative 12	Pass	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.		FAIL	The nominated product holds a valid Declare label.