SUPAWOOD
ARCHITECTURAL LINING SYSTEMS

Sustainable Design

- Promotes Sustainable Design
- FSC® and PEFC Certified
- Low Formaldehyde Emissions
- Fire Retardant
- Moisture Resistance
- High Greenstar credits achievable

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Are SUPAWOOD panels
environmentally sustainable?

Environmentally Sustainable Design (ESD) is a prerequisite for responsible architecture, and this is even more the case since the COP26 summit, where leading nations across the globe agreed to a greater committal to reducing energy consumption and our carbon footprint, as per the original Paris Agreement.

However, the plethora of environmental certifications now available and the seeming contradiction as to what is most important, or carries the most weight, makes the architect or designer's job very difficult in terms of what to specify.

What makes this easier is a clear directive from the client as to what is most important for them, for example a request for a Greenstar certification (probably the most popular environment certification requested in Australia). Other environment certifications being requested are LEED and WELL.

In the absence of a clear directive from a client, an architect must choose what criteria they will use to judge supplier companies and products. Some architect firms are creating their own database and sending out their own questionnaires for suppliers to fill out. They can then compare supplier to supplier across a number of criteria.

What role do internal linings play
in environmentally sustainable design?

The **Green Star** rating scheme created by the Green Building Council of Australia (GBCA) is the benchmark being used for ever increasing numbers of Projects to measure their environmental performance.

In Version v1.3 for both Building and Fitout Design & Construction, Green Star list three items under which panelling can contribute to or score points, as follows:

GBCA Credit	Description	SUPAWOOD Compliant Products
Credit 13: Indoor Pollutants Sub-category - Paints, adhesives, sealants, carpets	VOC levels. No VOCs are emitted on site by our products.	All SUPAWOOD products are supplied prefinished and have none or very low VOC emissions when delivered to site, well below Green Star requirements.
Credit 13: Indoor Pollutants Sub-category - Engineered Wood Products	95% of all engineered and wood products meet E0 or E1 formaldehyde limits.	SUPAWOOD use E0 low formaldehyde boards as a standard for all Fire Group 3 products and E1 for Fire Group 1 and 2 products.
Credit 20: Responsible Building Materials Sub-category - Certified Timber	95% (by cost) of all timber used is FSC® or PEFC certfied.	SUPAWOOD have been certified for Chain of Custody since 2008 and holds Chain of Custody certification for both FSC® and PEFC certification schemes. (Note: Most Australian veneers are PEFC and most American veneers are FSC®)

WELL & LEED certifications look more closely at the chemical constituents of products.

In particular, they both reference CDPH Standard Method v1.2-2017 and SCAQMD Rule 1113 June 3, 2011 - Applicable limits for various products, as to the maximum allowable ingredient and exposure limits for various substances

Supawood will make minor modifications to our standard systems to comply with these requirements. For example, we will supply felt backing strips instead of plastic backing strips and will use water-based polyurethanes instead of solvent-based polyurethanes.

Please note that Supawood Fire Group 1 and 2 timber panel products have an E1 formaldehyde rating. This means that some individidual panels may have a formaldehyde emission greater than the standards referenced above for WELL and LEED.
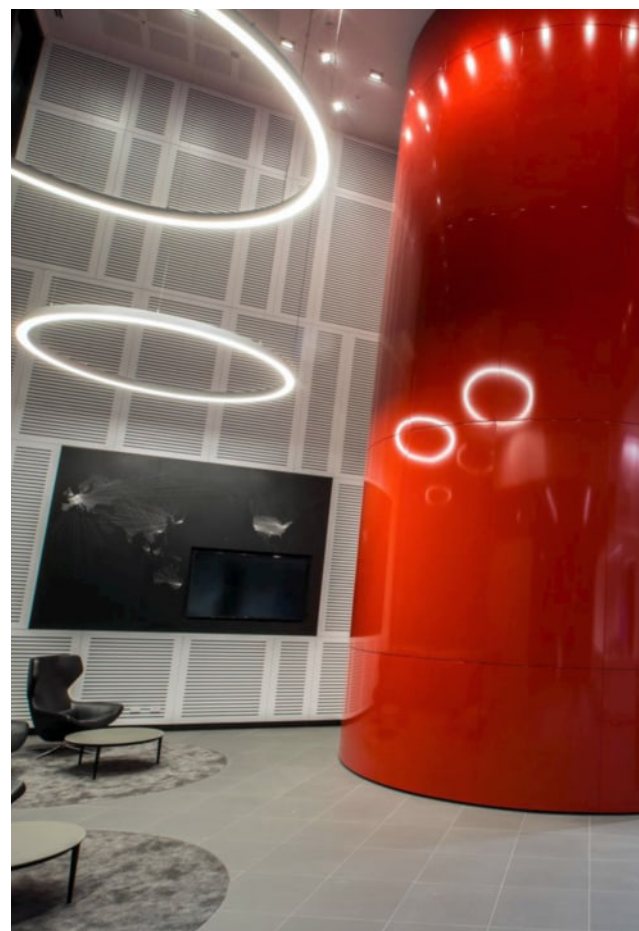
Why choose SUPAWOOD panels?

SUPAWOOD's interior panels have been chosen for use in some of the highest Green Star rated buildings built in Australia in recent years. SUPAWOOD works in close cooperation with the design team throughout all stage of a project to achieve the highest rating level possible in green design. Our ability to comply with the most stringent sustainability requirements has consistently won the approval of clients.
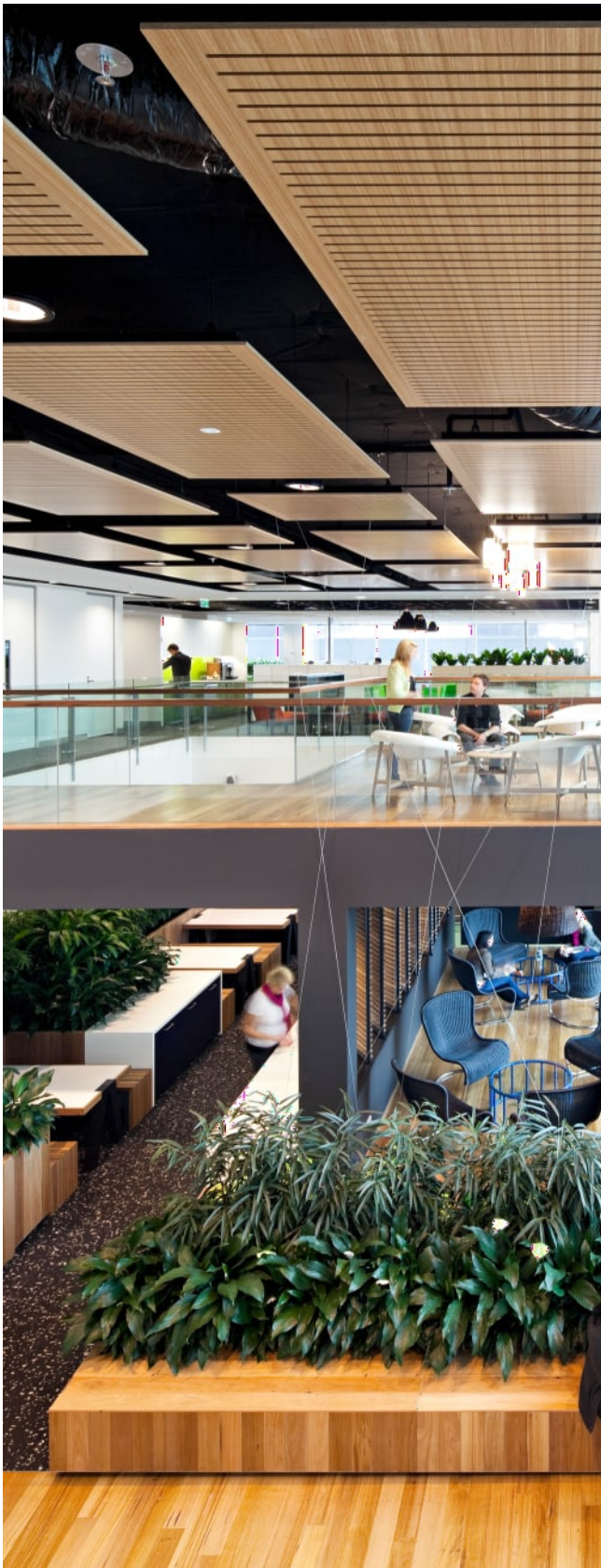
Is going green expensive?
Definitely not!

› Supplying prefinished panels costs no more than finishing panels on site due to the saving of on-site time and access costs.

› Panels can be PEFC certified for no extra cost in most cases.

› The extra cost of supplying panels certified in FSC® would typically be around 5% compared to non FSC® panels in most cases.

› Likewise, the cost of ensuring compliance with LEED or WELL would also typically be around 5% compared to non-compliant panels.

What else is SUPAWOOD doing to be more sustainable?

Supawood is committed to becoming carbon neutral.

Since 2018, we have installed 500 solar panels to the roof of our factory, supplying 190kW of energy.

To date this has removed more than 400 tons of carbon from the atmosphere.

This is as much as 100 elephants!

SUPAWOOD is committed to improving design to minimize our impact on the world's resources. Our environmentally friendly product options offer the superior choice for your next green design project.

Northern Beaches Hospital

The Brief: It was crucial for designers to meet all BCA standards to the highest level plus address the Green Star requirements of the brief. Additionally, the design concept required a variety of lining types with matching or blending timber finishes.

The Outcome: SUPAWOOD were honoured to be part of this prestigious project by supplying a wide range of matching linings perfectly meeting the strict criteria as well as provining advice and technical support throughout the project.

Rating: Green Star 4

Project: Northern Beaches Hospital, Frenchs Forest NSW 2086

Product/Finish: 140m^2 of SUPACOUSTIC panels and 980m^2 SUPASLAT panels in SUPAFINISH Tas Oak

Architect: BVN

Builder: CPB Contractors

Photos: John Gollings

Read the full story

Australian Unity HQ

The Brief: The designers were asked to achieve flexible and welcoming workspace over 3 levels to accommodate over 1000 staff. The focus was to create an environment to promote staff wellness. It was also a priority to address BCA regulations and meet Green requirements with all materials used.

The Outcome: Matching SUPASLAT slatted and SUPALINE decorative panels in a durable VOC free SUPAFINISH laminate finish was chosen. The use\ of this type of finish on a FR MDF substrate ensured that the panels met strict BCA regulations and contributed to the project achieving a high sustainability rating.

Rating: Green Star 5 and NABERS 5

Project: Australian Unity HQ, 271 Spring Street, Melbourne VIC

Product/Finish: SUPALINE and custom SUPASLAT ceiling panels in SUPAFINISH Tas Oak laminate

Architect: Bates Smart

Builder: Probuild

Photos: Peter Clarke

Read the full story
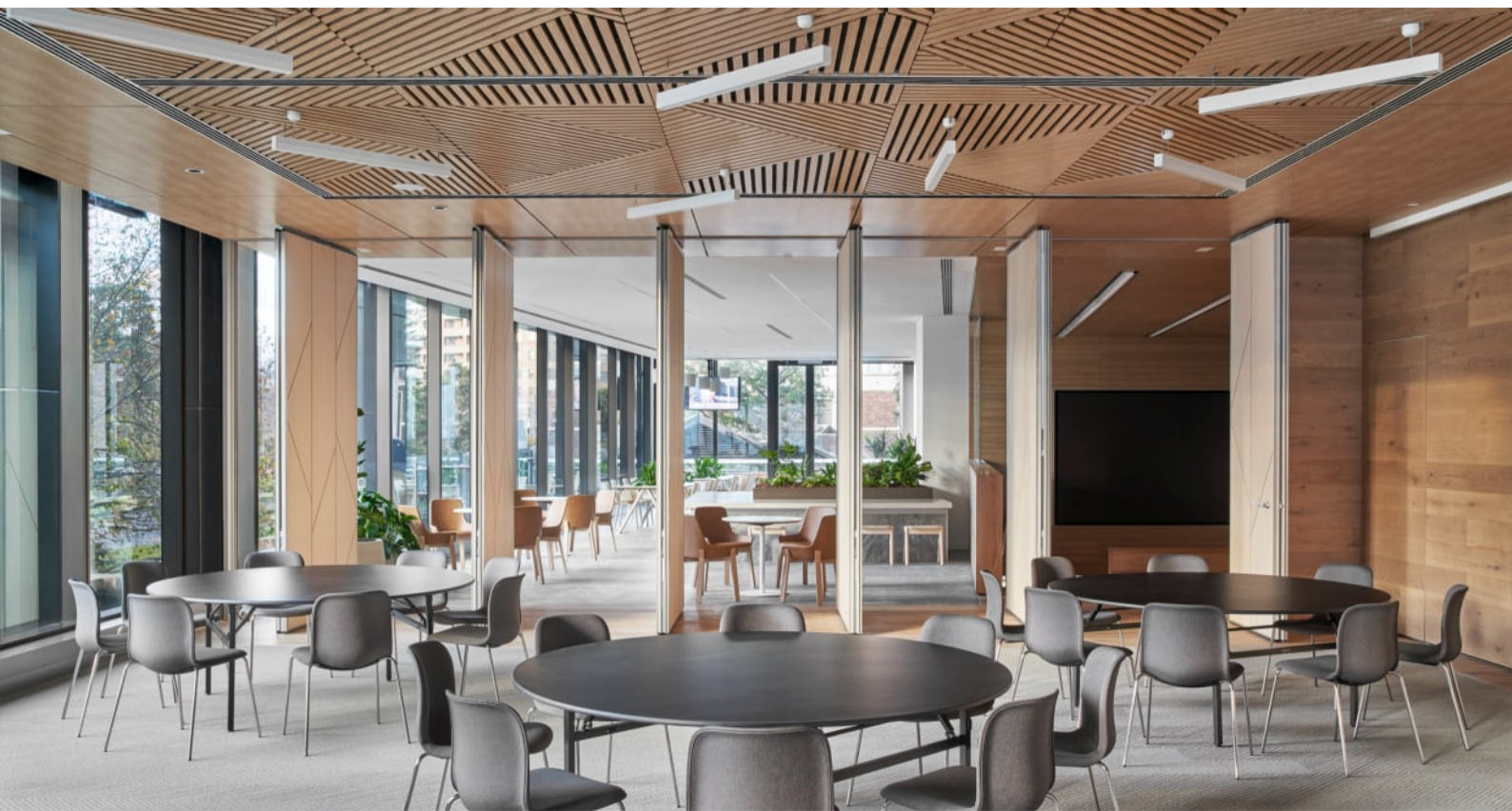
WSU 'Vertical Campus'

The Brief: To design a fit-out which incorporated inventive acoustic ceiling lining concepts throughout while addressing strict BCA regulations and aiming at a high Green Star rating. To achieve this all materials used needed to conform but be supplied to meed the tight program the client demanded.

The Outcome: Without compromising the essence of the initial concept, SUPAWOOD provided value management solutions to supply tailored feature linings for use on ceilings throughout the building's 11-levels. This was achieved within the required budget and lead times while also meeting the green criteria.

Rating: Green Star 5

Project: Western Sydney University, School of Business, 1 Parramatta Square, Parramatta NSW.

Product/Finish: Square WAVE BLADES in SUPAVENEER Spotted Gum, SUPATILE DIT diagonally slotted ceiling tiles in SUPAFINISH Hoop Pine, WAFFLE BLADES in Hoop Pine Plywood, SUPACOUSTIC perforated floating panels in SUPACOLOUR High Gloss White.
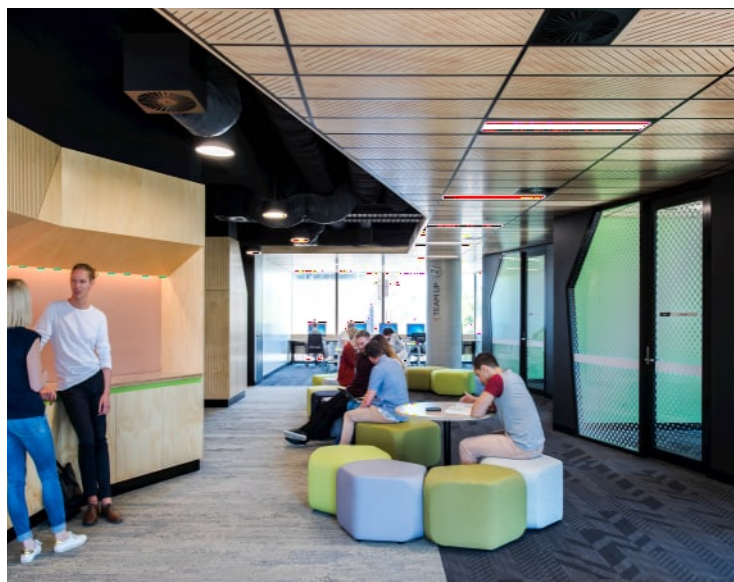
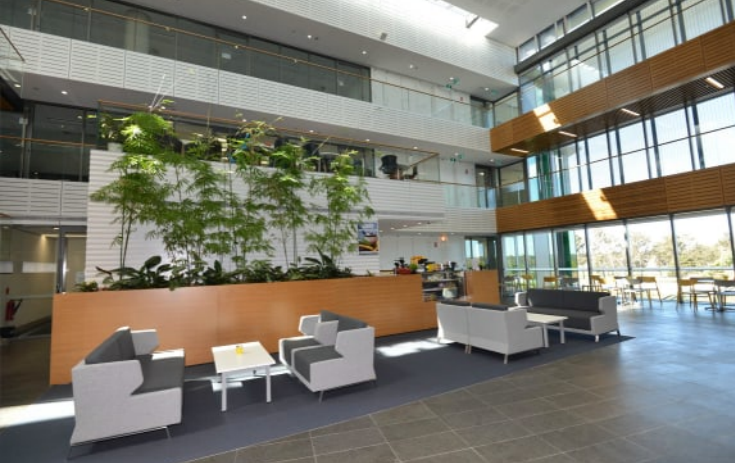**Architect:** Woods Bagot

Builder: John Holland

Photos: Nicole English

Read the full story

WSU Werrington Park Corporate Centre

The Brief: The architects wanted to unite a mix of products in different finishes throughout while meeting an emphasis on BCA compliance and sustainability. With such a high open space noise echo posed a problem and had to be addressed.

The Outcome: SUPAWOOD provided expert advice on the best mix of lining products and finishes wanted and ensured they were supplied as fire retardant options and made from PEFC certified timber. This contributed to the building achieved a high Green Star rating. This project was a finalist in the 2016 Sustainability Awards for Large Commercial.

Rating: Green Star 5 and NABERS 4.5

Project: WSU Werrington Park Corporate Centre, Great Western Highway, Kingswood NSW

Product: SUPACOUSTIC custom slotted acoustic panels on balustrades and under staircase, SUPASLAT slatted wall and ceilings, SUPALINE in both smooth and custom grooved on walls and trim on bridge ceilings.
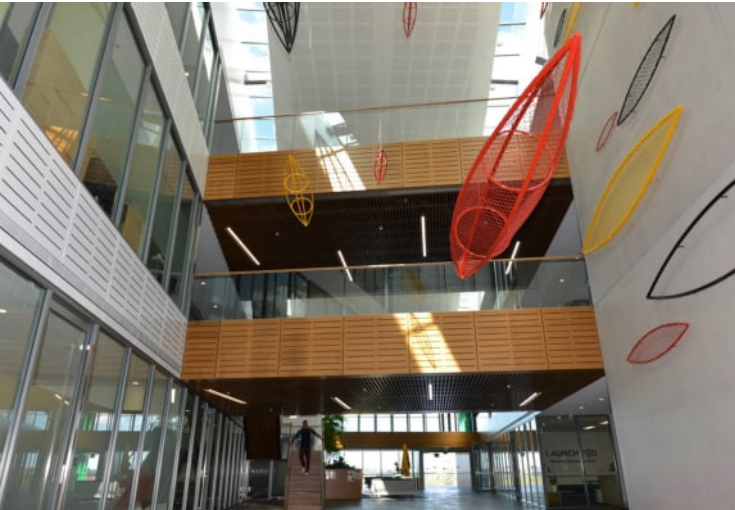
Finish: SUPAVENEER Tallowwood natural timber veneer and SUPAFINISH White.

Architect: Architectus Group

Builder: Adco Constructions

Photos: JadaArt

Read the full story

Equinix SY4 Data Centre

The Brief: To turn a massive existing warehouse into a high-tech state of the art facility to achieve a US Green Council LEED rating. The client expected strict compliance with design and construction guidelines as part of their global image as well as an extremely quick turnaround.

The Outcome: Sustainability was mandatory and all the SUPACOUSTIC and SUPALINE panelling supplied for the entry foyer was made from material that was FSC® certified timber, low VOC and EO low formaldehyde. These not only met all the client's environmental and performance criteria, but created the perfect visual impact possible.

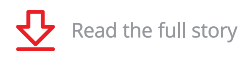### Rating: LEED BD+C: New Construction - Silver

Project: Equinix SY4 Data Centre, Alexandria NSW.

Product/Finish: Walls: SUPACOUSTIC V-slot slotted acoustic and SUPALINE panels in SUPACOLOUR white. Features: SUPALINE curved and flat panels in SUPACOLOUR high gloss red.

Architect: Greenbox Architects

Builder: John Holland

Photos: Courtesy of Equinix

Read the full story

SCS Global Services *does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:*

Noteg Pty Ltd trading as Supawood Architectural Lining Systems

18 Bradwardine Road, Bathurst, NSW 2795, Australia

This single site certificate covers the production of acoustic and decorative products using the transfer system.

The facility(s) are hereby Chain of Custody certified to sell products as:

FSC Mix; FSC 100%

The assessment has been conducted by SCS Global Services in accordance with the protocols of the Forest Stewardship Council® A.C. (FSC®).

FSC Standard: FSC-STD-40-004

Certificate Code: SCS-COC-001901

Trademark License Code: FSC-C009780

Valid from: 21 October 2023   Expiry date: 20 October 2028

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SCSglobal SERVICES

Maggie Schwartz, Vice President, Program Development
SCS Global Services
2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Printed: 9 Oct,2023

SCS Global Services *does hereby certify that an independent audit has been completed and conformity to the applicable standard(s) has been confirmed for:*

Noteg Pty Ltd trading as Supawood Architectural Lining Systems

18 Bradwardine Road, Bathurst, NSW 2795, Australia
This single site certificate covers the production of acoustic and decorative panel lining systems for buildings using

the physical separation system.

The facilities and products listed above have been certified as

PEFC Chain of Custody Certified

This certificate cannot be presented as evidence that certified wood products have been supplied. In all cases, such evidence must be conveyed on the corresponding sales documentation.

Certified against PEFC ST 2002-2020 (Chain of Custody), PEFC ST 2001-2020 (Trademark Use)

SCS Certification Registration Number: SCS-PEFC-COC-001901

Valid from: 21 October 2023   Expiry date: 20 October 2028

Maggie Schwartz, Vice President, Program Development
SCS Global Services
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SERVICES

SUPAWOOD
ARCHITECTURAL LINING SYSTEMS

Sustainable Design

How to specify linings to meet Green Star Sustainable timber requirements

Ensure the following sentence is in your specification: "Panels are to be FSC® or PEFC certified. Documentary evidence in the form of an invoice with each line item annotated with the PEFC/FSC® content and supplier's chain-of-custody number must be provided to the project superintendent for project completion."

OR If you want FSC® certification in particular:

Ensure the following sentence is in your specification: "Panels are to be FSC® certified. Documentary evidence in the form of an invoice with each line item annotated with the FSC® content and supplier's chain-of-custody number must be provided for project completion."

OR PEFC:

Ensure the following sentence is in your specification: "Panels are to be PEFC certified. Documentary evidence in the form of an invoice with each line item annotated with the PEFC content and supplier's chain-of-custody number must be provided for project completion."

For more product information:

SUPAWOOD produce an extensive range of market-leading lining systems and look forward to helping youon your next project.

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It's not easy to make your project stand out and satisfy performance, compliance and budget needs. We customise our systems to your requirements.

DISCUSS YOUR PROJECT

MAKE
Your Mark