

A skateboarder wearing a blue shirt, black pants, and a blue cap with a Red Bull logo is performing a trick on a curved wooden deck. The deck is made of dark, weathered wood planks. The background features a large, arched glass and steel structure, possibly a dome or a large atrium, with a blue sky and clouds visible through the glass. The overall scene is dynamic and modern.

DEKLOC

Commercial Decking Systems

Elevate Your Outdoor Spaces with DEKLOC

Prefabricated modular decking systems crafted from certified tropical hardwoods

The DEKLOC Advantage.

Single board approaches are time consuming, wasteful and make on-site quality control challenging.

DEKLOC panels mean you buy only what you need; install is fast and quality is controlled at the factory.

DEKLOC is the result of 25 years of successful decking projects for some of the biggest brands in property development, featuring:

❑ Certified Tropical Hardwood

Top-quality durable hardwoods sourced from sustainably managed forests, exemplifying strength, beauty, and environmental responsibility. Hardwood stores the more carbon than other decking; verification is available under ISO 14064 GHG standards.

❑ Speed and Efficiency

Regionally manufactured, prefabricated panels are designed for quick installation, reducing labor time and minimizing site disruption, allowing your project to stay on track.

❑ Factory Quality

Our interlocking panels with robust composite backing provide superior stability and reduce movement, boards are carefully selected for each panel, any unsuitable material is recycled into other products, keeping quality high and prices optimised.

❑ Custom Design Process

Benefit from a tailored solution that accounts for every detail — access openings, trims, borders, and accessories — optimising functionality and aesthetics.

❑ Cost Competitive and easy to Install

Unique business model facilitates DIRECT supply and procurement from our partner manufacturers, choose installation packages from from our qualified installer network with global reach.

Sustainability at the Core

Supported by Forestry	Trusted for Decades	Optimised for Large Projects
Certified African Ironwood, SE Asian Yellow Balau, Merbau, and Treated Keruing Sustainability leading, with initiatives complying with EUDR and ISO audited GHG metrics	Successful track record amongst leading hospitality and commercial developers and designers Numerous references in Maldives, the Caribbean, Kuwait, Dubai and Singapore	Fully customised solutions in BIM , Supported with testing and calculations Sold direct by partner DEKLOC Manufacturers and supported by a global Installers

Challenges of Traditional Decking.

- ❑ Higher costs caused by fragmented Supply chains.
- ❑ Quality inconsistency due to the inability to select materials.
- ❑ Waste and stock losses common in loose boards.
- ❑ Labor-Intensive Installations Inflate Expenses.
- ❑ Challenges in sustainability tracking of loose components.

Right; Maldivian project with traditional fixed decking; excess, selected-out offcuts need to be shipped out from site.



Modular Solutions Direct from Our Partner DEKLOC Manufacturers

- ❑ Panelised decking streamlines installation, minimises waste, and improves project timelines.
- ❑ Factory quality is assured via a single-party integrated forest, manufacturing and supply process with strict adherence to standards.
- ❑ Transparent eco-friendly practices result in each panel featuring QR codes for tracing back to sustainable sources, meeting modern regulatory demands and leading climate initiatives.
- ❑ Logistics solutions are optimised by shipping in full containers with ease of unstuffing and dispersal at site, adopting modern inventory control.

Sustainability Is Our Priority

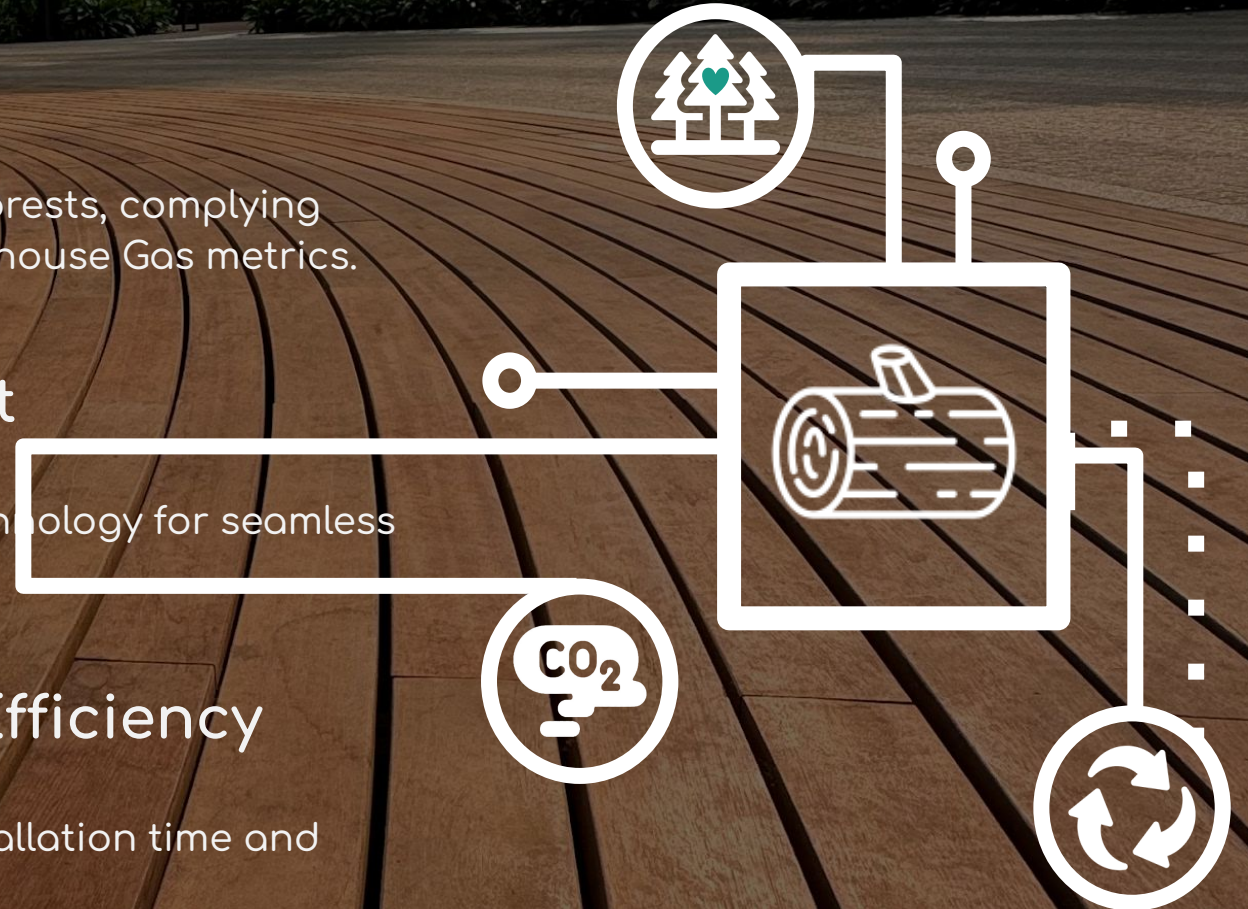
All products are sourced from sustainably managed forests, complying with EUDR and available with ISO 14064 audited Greenhouse Gas metrics.

Tailored Solutions for Every Project

Fully customized decking solutions backed by BIM technology for seamless project integration.

Streamlined Factory Quality and Efficiency

Factory-prefabricated interlocking panels reduce installation time and maintain high-quality standards.



Species.

Yellow Balau

Trusted for decades factory pre selection then panelisation improves consistency in density and subsequently predictable performance.

- ❑ Average Density: 950 kg/m³
- ❑ Modulus of Rupture: ~100 MPa
- ❑ Modulus of Elasticity: ~14,000 MPa
- ❑ Hardness (Janka): ~3,400 lbf
- ❑ Durability: Durable
- ❑ Workability: Challenging
- ❑ Treatability with ACQ: Difficult
- ❑ Appearance: Wide variance, golden to dark brown with distinct grain
- ❑ Availability: Moderate; sourced from Certified Concessions Southeast Asia



Species.

Keruing ACQ Treated

Dependable utilitarian use, bolstered with ACQ pressure treatment for long term durability prior to factory pre selection and panelisation

- ❑ Average Density: 750 kg/m³
- ❑ Modulus of Rupture: ~80 - 90 MPa
- ❑ Modulus of Elasticity: ~10,000 - 12,000 MPa
- ❑ Hardness (Janka): ~1,800 lbf
- ❑ Durability: Moderate durability bolstered with treatment
- ❑ Workability: Easier to work with
- ❑ Treatability with ACQ: Good
- ❑ Appearance: Wide variance Light to dark brown with a coarse texture
- ❑ Availability: Widely available in Southeast Asia and parts of the Pacific



Silverwood Surface Protection

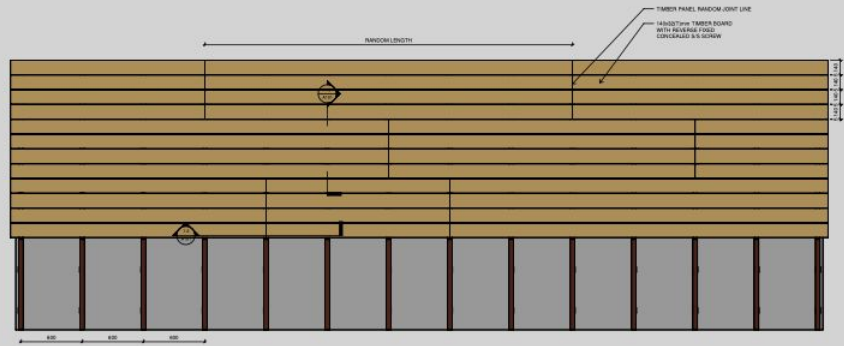
Silverwood is an all-natural, eco-friendly coating that transforms wood surfaces into a stunning silver color while providing exceptional protection against brown fungi and fire hazards. Its unique silicate-based formula penetrates wood cells, ensuring long-lasting color retention and making it virtually maintenance-free.

Benefits:

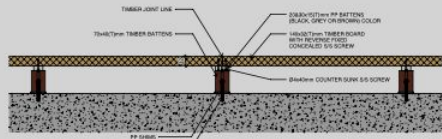
- ❑ **Aesthetic Appeal:** Enhances the beauty of wood with a striking silver finish.
- ❑ **Durability:** Offers long-lasting protection against fading, reducing the need for frequent recoating.
- ❑ **Eco-Friendly:** Safe for children and animals, contributing to sustainable design choices.
- ❑ **Temperature Regulation:** High solar reflection rate keeps surfaces cooler in direct sunlight.
- ❑ **Versatile Application:** Suitable for various outdoor timber surfaces, including furniture, fences, and decking.



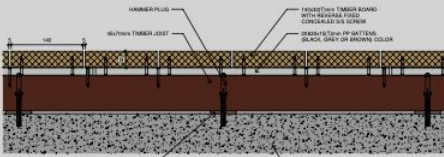
Design Service.



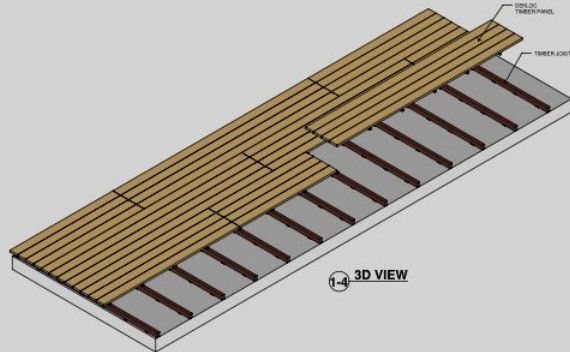
1-1 TIMBER DECKING (DEKLOC PANEL SYSTEM)
1:15



1-2 SECTION DETAIL 1-2
1:5



1-3 SECTION DETAIL 1-3
1:3



1-4 3D VIEW

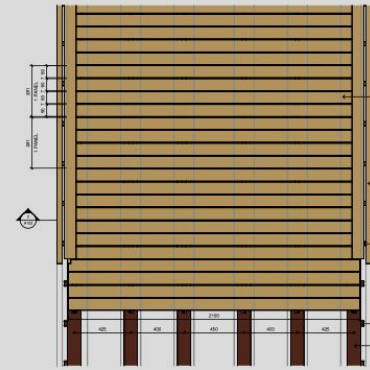
Rev	Description	Date

DEKLOC
NAUTILUS INNOVATION

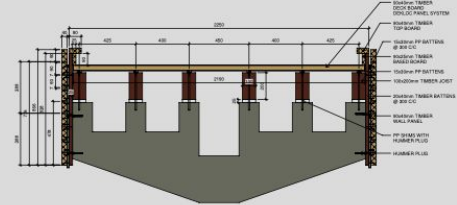
TIMBER DECKING DETAIL

DESIGNED BY Author	CHECKED BY Checker	DATE 10/10/24
SCALE As Indicated	PROJECT NUMBER Project Number	REV NEW
DRAWING NUMBER A101		

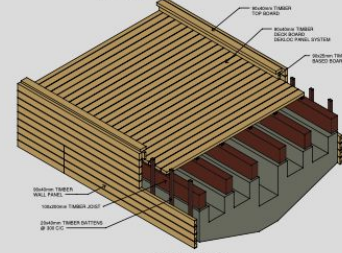
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1 JETTY WALKWAY TYPICAL DETAIL
1:10



2 TYPICAL SECTION DETAIL
1:10



3 3D VIEW 3

BASE ON 240 cm JETTY (ASSUME 485mm LENGTH WALKWAY)										
NO	DESCRIPTION	TIMBER BOARD			TIMBER BOARD	PANEL QTY	TOTAL QTY(pcs)	AREA(m²)	TOTAL PANEL	REMARKS
		THICK(mm)	WIDTH(mm)	LENGTH(mm)	QTY(pcs)	NO.(pcs)	PER BOARD	PER PANEL	AREA(m²)	
1	2190 PANEL DECK	40	90	2190	4	1250	5000	0.788	985.50	NO GAPS
2	1800 WALL PANEL	40	90	1800	4	278	1112	0.648	180.14	NO GAPS
3	2400 WALL PANEL	40	90	2400	4	268	1072	0.864	231.55	NO GAPS
4	3000 WALL PANEL	40	90	3000	4	244	978	1.080	263.52	NO GAPS
5	LOOSE PIECE	40	90	970.000						
6	TIMBER JOIST (RANDOM LENGTH)	200	100	485	6					
7	TOP BOARD (RANDOM LENGTH)	40	90	485	2					
8	BASE BOARD (RANDOM LENGTH)	25	90	485	4					
9	WALL BATTENS	20	40	0.83	3235					

Rev	Description	Date

DEKLOC
NAUTILUS INNOVATION

JETTY WALKWAY PANEL SYSTEM

DESIGNED BY
Author

CHECKED BY
Checker

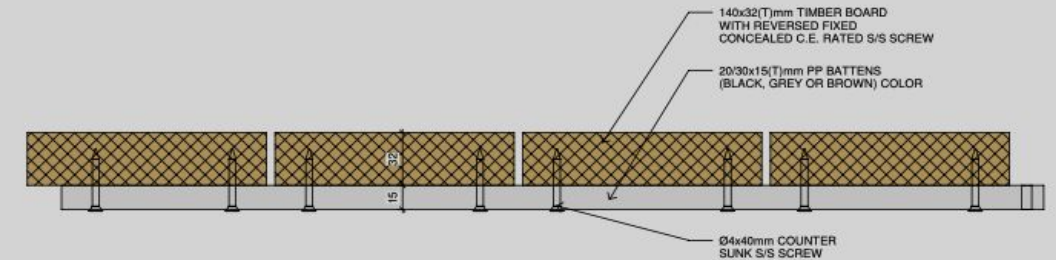
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10/10/24

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PROJECT NUMBER
Project Number

DRAWING NUMBER
A102

REV
NEW



2 SECTION DETAIL 1
1:2

Hidden Durability Advantage.

Concealed fasteners dramatically prolong deck board life

DEKLOC factory-fitted panel backing is extremely durable and uses high-performance polypropylene composite acrylic backing strips.

Reverse-fixed with CE rated screws suited for harsh marine environments.

Panels interlock requiring minimal through gap fasteners to secure panels.

LEGEND: PANEL LENGTH



REF FOR 1 UNIT (VILLA 111/112)									
NO	DESCRIPTION	TIMBER BOARD			TIMBER BOARD QTY[pcs]	PANEL QTY NO.[pcs]	TOTAL QTY[pcs] PER BOARD	AREA(m²) PER PANEL	TOTAL PANEL AREA(m²)
		THICK[mm]	WIDTH[mm]	LENGTH[mm]					
1	1200 PANEL	32	140	1200	4	4	16	0.672	2.688
2	1800 PANEL	32	140	1800	4	3	12	1.008	3.024
3	2400 PANEL	32	140	2400	4	18	72	1.344	24.192
4	3000 PANEL	32	140	3000	4	12	48	1.680	20.16
5	3600 PANEL	32	140	3600	4	16	64	2.016	32.256
6	4200 PANEL	32	140	4200	4	18	72	2.352	42.336

TIMBER JOIST (BASE ON 600 C/C SPACING)		
THICK[mm]	WIDTH[mm]	TOTAL LENGTH[m]
70	45	213.3

Efficient Development and Procurement.

Our optimized development and procurement process ensures that your project runs smoothly from start to finish, with early engagement and tailored proposals to meet your specific needs.



DEKLOC – The Natural Choice for Decking

1. Unmatched Durability

- Engineered from certified tropical hardwood, DEKLOC decking is designed to endure harsh environmental conditions, ensuring exceptional longevity and performance that can last for decades. Its robust construction resists wear and tear, making it ideal for high-traffic outdoor areas.

2. Stunning Aesthetic Appeal

- With its rich, natural beauty, DEKLOC decking features unique grain patterns and warm colors that enhance the visual appeal of any outdoor space. Its elegant design complements a variety of architectural styles, creating inviting and attractive environments for relaxation and entertainment.

3. Commitment to Sustainability

- Our dedication to sustainability is reflected in our sourcing practices. DEKLOC products are made from responsibly managed forests, ensuring low embodied energy and minimal environmental impact. Our modular panels are designed for easy recycling and contribute to carbon storage, supporting a healthier planet for future generations.

4. Low Maintenance Requirements

- Designed for convenience, DEKLOC decking requires minimal maintenance. While occasional performance treatments may enhance its longevity, the inherent durability of hardwood means less frequent upkeep, allowing homeowners to enjoy their outdoor spaces without the hassle of constant care.

5. Exceptional Performance in All Conditions

- Our decking retains a comfortable temperature underfoot, even in direct sunlight, making it a perfect choice for outdoor settings. Its engineered design ensures stability and resilience, providing a reliable surface that performs well in various weather conditions, from intense heat to heavy rain.

Embodied Carbon.

Capture net biogenic carbon stored in long-life wood products using the ISO 14064 standard

Methodology

1. Identify Long-Life Products
2. Data Collection
3. Calculate Carbon Storage
4. Determine Product Lifespan
5. Emissions Tracking
6. Reporting
7. Independent Verification

Define the product that will have a lifespan of several decades.

Interrogate gross carbon content and sustainable forestry claims

Determine gross biomass based on production data.

Determine lifespan to understand the duration of carbon sequestration.

Account for production-related emissions.

Audit under ISO 14064 guidelines, methodologies, sources, net carbon stored

Adopting DX ISO 17029 auditing standard for accuracy and compliance

By focusing on these steps, organisations can effectively quantify and report the carbon stored in long-life wood products, promoting sustainability and responsible forestry.

Climate & ESG Impact.



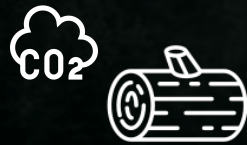
Incentivising Timber Building

Forests are carbon sinks, more productive timber industry protects the global acreage of forests. Repurposing components from MET buildings enables true circularity.



Supporting Sustainable Timber

Our services ensure that the supply chains are rooted in sustainable forestry practices. Audit and certification under ISO 14064 is now available



Stored Carbon in Timber

Mass Timber has potential for Carbon Credits with long term value on the voluntary carbon market. Supports Article 6 in COP26 supporting Climate Action



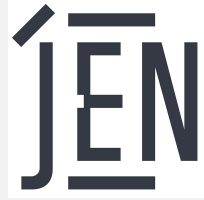
Carbon Emissions Reduced

Timber is significantly less carbon-emitting than most traditional construction techniques. Audit and certification under ISO 14064 now available



Double Helix

SUSTAINABILITY AUDITOR



THE RITZ-CARLTON



**Wildlife
Reserves**
SINGAPORE

RWS

MAISONS
& HOTELS *Sibuet*



ST. REGIS
Hotels & Resorts



CAAS
Civil Aviation Authority of Singapore

One&Only
RESORTS

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RESORTS



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Project References

Geneo Canopy - Singapore



Project References

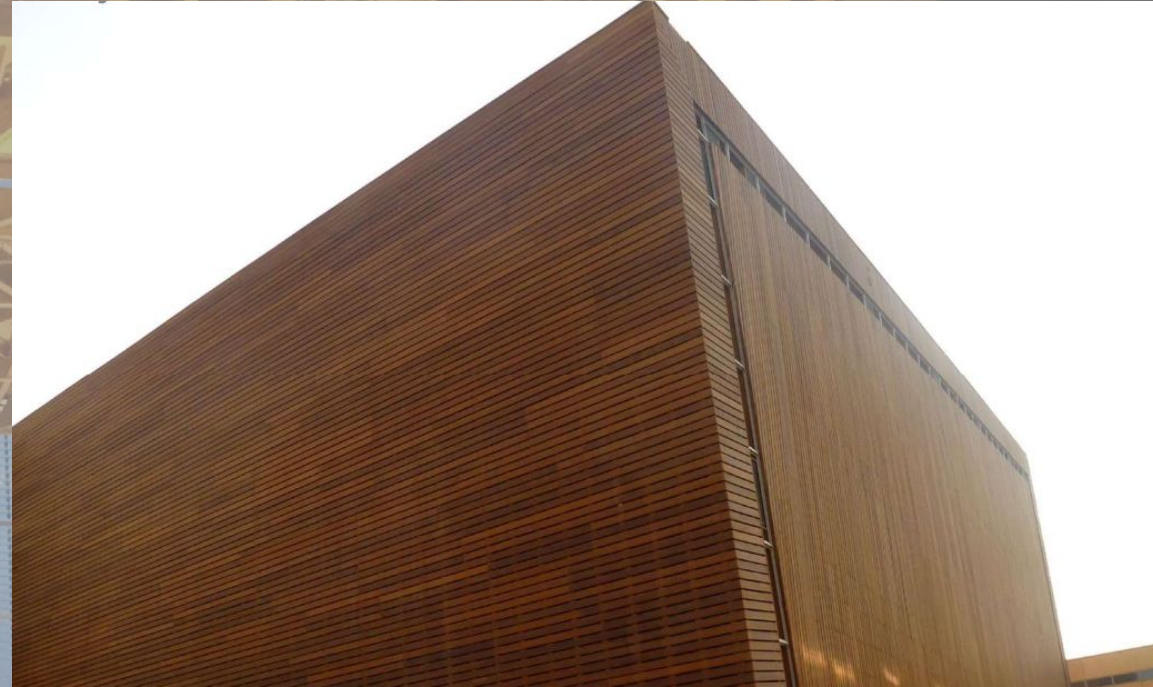
Henderson Wave Bridge - Singapore



Henderson Bridge Singapore
Supply and Install Dekloc™

Project References

Kuwait Police Academy - 50 000m² of IPE DEKLOC panels



Project References

MediaCorp 2015 - Singapore



Mediapolis Singapore, 2015

Project References

Mixed Development - Singapore



Mixed Development at Rochester Park.
Supply and install Dekloc™
Timber decking

Choose DEKLOC for Innovative, Cost-Effective, and Sustainable Decking Solutions suited to Commercial projects.

Partner

Venturer
Modular

For more information or to request a consultation, please contact
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