

Custom Modular Decking Systems

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Image Courtesy of Marina Bay Sands



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www.dekloc.biz



Its prefabricated modular approach has won the approval of major architects worldwide. The appeal is both the quality of the materials and the speed and price at which it can be installed.

DEKLOC

Dekloc is a comprehensive range of commercial grade custom modular decking systems.

Proven over the years with tens of thousands of square meters installed, from Dubai to the Maldives...

Our system is a unique design approach that customises factory made modular decking systems for each and every project; this includes CAD design and structural calculations.

Timber Component Choices

Pre-selection is the first step of our production line. Aiming at building a long lasting Decking system, our team will choose the raw material, based on the final geographical location of where Dekloc will be installed.

The Dekloc range offers a variety of high quality certified origin tropical hardwoods; Yellow Balau, Merbau and Teak, all suitable for a wide range of high quality applications.

Our Yellow Balau Dekloc system is recognised by the Singapore Environmental Council's Green label scheme, which carries merit to the BCA Green Mark.

Custom Factory Pre-fabrication

Manufactured with proven references over 10 years in Singapore, Dubai, India, and the Maldives. More than 250,000m² of installed decking.

Not unlike many other construction systems, factory prefabrication makes a great deal of sense, quality is high and consistent and large volume projects can easily be accommodated in acceptable time frames. This inevitably leads to less congestion on site and lower oversight by the Main Contractor and Client.

Our proven fabrication methods using jigs and hydraulic presses ensure a consistent product. Above all factory

material, selection and final machining just prior to panel construction result in a far superior product that would be achievable on site.

Concealed Fixed Installation

The Dekloc range all use interlocking methodology, either side to side or end on end or both depending on the given system.

Offset interlocking backing strips and dowels between panels (side to side panel interlock available across the range) mean that panels do not rely on mechanical fixings alone for their long-term performance.

Bevel end interlocking details (Dekloc R) is supported within the limit of natural movement of the boards, the simple compression joint allows for site modification (docking) if excessive tolerances on site require modification. This also allows access panels and other impromptu openings to be added at later stages of the installation, thus the system maintains a high level of flexibility from the commencement of design to final installation.

Dekloc backing strips are installed over joists adding to the support and structural capacity of the system and accommodates normal tolerances associated with curvature in joists giving the impression of a substantial joist visible through the board gaps.

Dekloc, depending on the system adopted, can use multiple panel sizes, typically from 2 to 4m, with our Dekloc R system panelisation is disguised so that the deck looks homogeneous and not obviously paneled.

Dekloc Design accommodates easy detailing of removable panels and planter gratings.



Products

The Dekloc systems appeal to a variety of uses from commercial applications through to resort use.

Dekloc is not a one panel fits all modular decking approach. Although we use standardised design templates for all of our modular systems, each project is customised to suit a project's unique requirements.

Panels are designed to be handled by two people and are generally less than 60 kg per panel, with concealed fixings, that use both mechanical fasteners and epoxy bonding.

All Dekloc panels have a rigorous quality process from design through to materials selection, factory fabrication and site installation.

All timber components are from Certified sources

Dekloc Original

Applicable for commercial grade decking applications:

- Concealed double fixed components.
- Panelised system with visible butt jointed panels.
- Size standardization is 1.8m; 2.4m; 3.6m length
- Panel widths are generally up to 700mm.
- Easy installation on concrete surface or on HDPE pedestal systems

Dekloc R

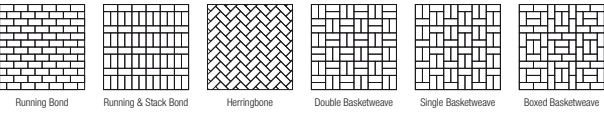
Similar to Dekloc original features with:

- Fully randomised panel configuration
- Staggered interlocked compression joint between panel to panel
- Panel side connection using offset backing strip and epoxy dowel
- Consistent 3mm gaps achievable.

Dekloc P (New)

Our newest product:

- Multitude of patterns to choose from to create innovative aesthetics
- Offset backing strip and panels available in sizes up to 1800mm long; 600mm wide



Product Comparison Chart

Products	Specie			Board Size (mm)			Inter-locking Method			Gap Size (mm)		
	Merbau	Yellow Balau	Reclaimed	70 x 32	70 x 32	140 x 32	Staggered Compression	Bolt United	Offset Backing Strip	3	5	7
Dekloc	✓	x	x	✓	✓	✓	x	✓	✓	x	✓	✓
Dekloc R	✓	✓	NA	✓	✓	✓	✓	x	✓	✓	✓	✓
Dekloc P	✓	✓	✓	✓	✓	✓	x	✓	✓	x	✓	✓

Products	Construction			Warranty (Years)			Install (m² per man day)			Support System		
	Epoxy Bond	Epoxy Dowel	Through Gaps	5	10	20	5	7	10	Pedestal Only	Pedestal & Joint	Concrete & Shim
Dekloc	✓	x	✓	-	✓	✓	-	✓		✓	✓	✓
Dekloc R	✓	✓	x	-	✓	✓	✓			x	✓	✓
Dekloc P	✓	x	✓	✓	✓	-	✓			✓	✓	✓

Warranty

The Dekloc systems carries an unparalleled **Warranty upto 20 years**. Format available on request.

Our Yellow Balau Dekloc system is recognised by the Singapore Environmental Council's Green label scheme, which carries merit to the BCA Green Mark.

Dekloc is built tough and custom designed to suit the most discerning requirement of any project.

