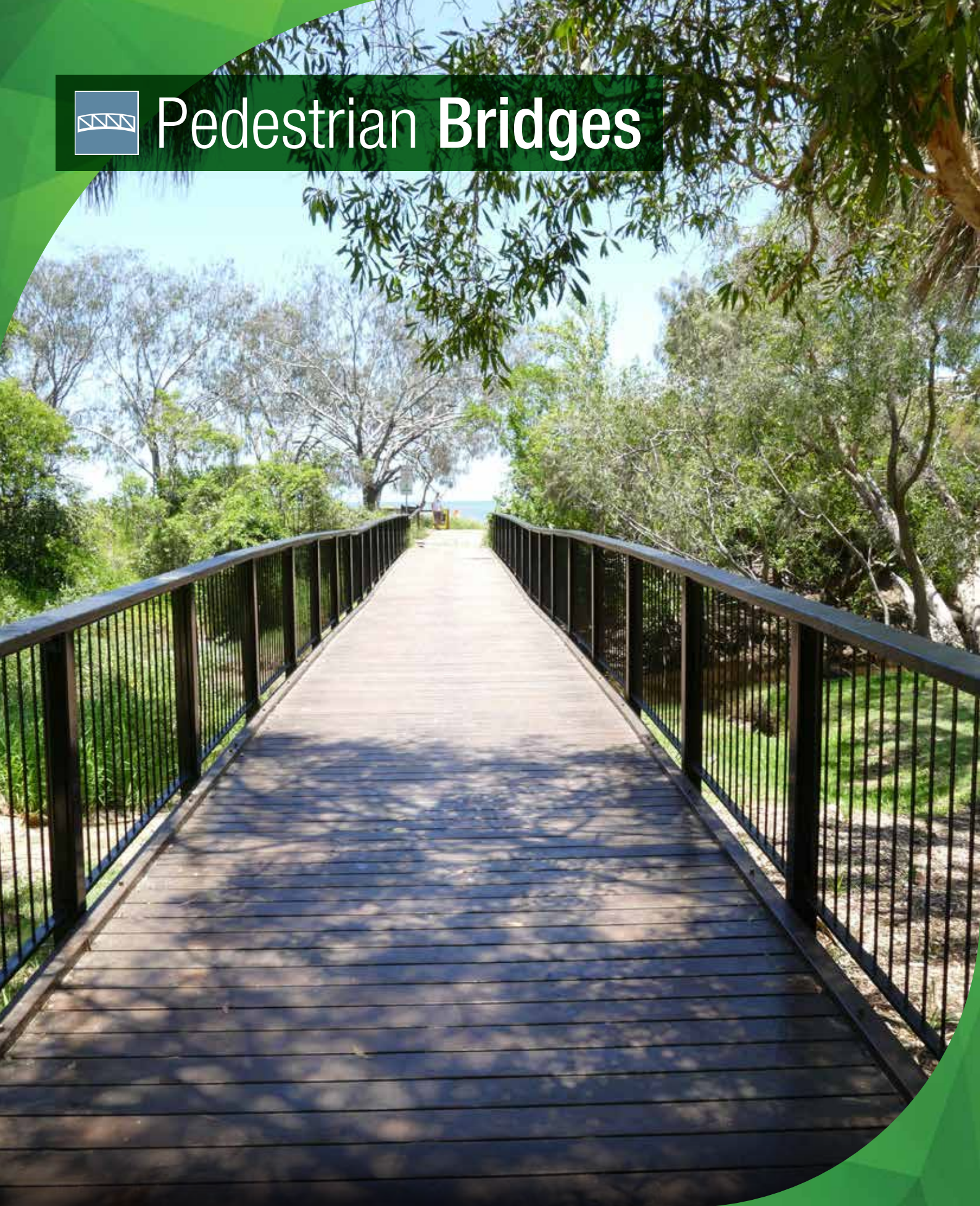




Pedestrian Bridges



Safe connection for communities

landmarkpro.com.au | 1300 768 230

 **Landmark**
open space structures & solutions

BRISBANE | SYDNEY | MELBOURNE | ADELAIDE | PERTH | AUCKLAND

About Landmark

Landmark Products offers a complete, professional open space structure and furniture service throughout Australia and abroad.

From design through to manufacturing and installation, Landmark Products can deliver a total project solution.

With over 30 years' experience, and a team of highly skilful, expert specialists in public use infrastructure, Landmark is committed to exceeding the expectations of our clients, whether for a relatively straightforward project such as to supply street furniture, or for complex, large scale, custom built urban projects.



Contents



Six reasons why Landmark is the preferred choice



Bridge Guide Tables
SPAN LIMITS AND OTHER



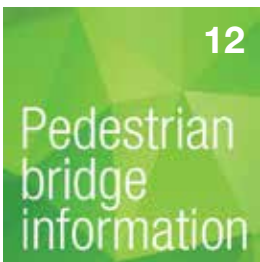
Steel I-Beam
CONDAMINE RANGE



Steel Truss
MURRAY RANGE



Installation of bridges
PROFESSIONAL SERVICE



Bridge Information
DECKING, ANTI-VANDAL SYSTEMS AND MORE



Colours and Finishes
CHOICES



Design Services
CONCEPT TO FINISH



Why Landmark?



Long life - build quality

At Landmark we understand the demands placed on our products

through public use, and the need to take a whole-of-life approach to these important community assets.

From design through to manufacturing, installation and ongoing maintenance, our products have been designed with visual appeal, durability and functionality front-of-mind. For this reason, we confidently offer a 10-year structural guarantee on pedestrian bridges, extended to 20-year if installed by Landmark or a Landmark approved installer.



Widest product range

With Australia's largest range of standard open

space structures and park furniture, there are pre-designed and pre-engineered solutions available for almost every specification, delivering significant time savings, as well as reducing design, engineering and compliance costs.

If needed, all standard products can be modified to suit, or if you are looking for something unique our highly experienced design team can deliver a complete custom solution.



Site specific solutions

Through years of experience Landmark understands the

challenges our diverse country can present in the delivery of open space projects.

By considering and analysing a multitude of factors, Landmark design, engineer and manufacture each product to suit individual site specifications, working with you to select the most appropriate design and materials for the application, location, environment and budget.



Customer service

Landmark Products is committed to ensuring prompt

and effective service from first enquiry through to project completion. Our customer service staff and Project Consultants are expert in their field, and will guide you through the process, making this an easy and hassle-free experience.

It is our mission to ensure that the products you purchase are fit-for-purpose and all things have been considered and communicated effectively.



Installation and project management

Landmark Products is one of the few

companies in Australia that provide a full-service offering from – design, manufacturing, and installation. Thanks to this strategic advantage, Landmark Products' national installation and project management service is renowned nationally for its expertise.

From small installations through to complex projects our experienced project managers and installation teams will work closely with you to ensure the project is delivered on time, to budget, and with an extended structural warranty of 20 years.



Kit-form engineered

Landmark structures arrive flat-packed, ready-to-assemble, with

no on-site fabrication needed. Step-by-step assembly instructions and appropriate documentation are included.

The benefits of kit-form are numerous. With all components pre-cut and pre-drilled, there is less noise, less waste, less disturbance to the environment. Because erection times are so much quicker than traditional construction, there is significantly less on-site disruption. For remote or difficult sites, Landmark's factory-built structures are the sensible solution.

Landmark Products has manufactured and installed hundreds of foot bridges across Australia and the South Pacific, making us the most experienced in our field.

STANDARD BRIDGE SPAN LIMITS*

CLEAR WIDTH (mm)	BRIDGE SERIES	MAXIMUM SPAN (m)											
		4	6	8	10	12	14	16	18	20	22	24	26
2000	K1103 SERIES CONDAMINE												
	K1105 SERIES MURRAY												
2500	K1103 SERIES CONDAMINE												
	K1105 SERIES MURRAY												
3000	K1105 SERIES MURRAY												

BRIDGE GUIDE*

PEDESTRIAN BRIDGE SERIES	K1103 SERIES CONDAMINE	K1105 SERIES MURRAY
LOADING REQUIREMENTS		
Pedestrian or Cycleway	✓	✓
Light Vehicle (max. 1.0T)	✓	✓
Standard Live Load (max. 5kPa)	✓	✓
Flood Loads (max. 2.0m/sec)	✓	✓
DECKING CHOICES		
Timber Hardwood Decking	✓	✓
Fibre Reinforced Plastic (FRP) Grate Decking	✓	✓
Wood Plastic Composite (WPC) Decking	✓	✓
SAFETY BARRIER OPTIONS		
Bicycle, Kick and Disabled Access Rails	✓	✓
Timber or Steel Baluster Panels	✓	✓

* Information presented is a guide only for comprehensive loading information please contact your local Project Consultant.



Pedestrian Bridges



Robust mid-range spans

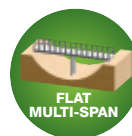


Steel I-Beam

CONDAMINE SERIES (K1103)

Steel I-Beam pedestrian bridges are versatile with a short-to-medium span, up to 18 metres, with the capacity to be engineered and manufactured for vehicle or cross-flood loadings.

Structure	Finishes	Fixings
<ul style="list-style-type: none"> Hot-dipped galvanised (HDG) steel beams, bearers and posts Joists: HDG, hardwood or pine Decking: Hardwood or (FRP) open grid mini-mesh Baluster Panels: Aluminium, HDG, pine (all pre-fabricated) or pre-assembled hardwood 	<ul style="list-style-type: none"> HDG to steel members Powder-coating to HDG steel/aluminium panels (where requested) Two-pack finishes to HDG steel/aluminium elements (where requested) Factory staining to pine/hardwood members (not hardwood decking) 	<ul style="list-style-type: none"> Galvanised steel fixings 8/8/S galvanised structural bolts to structural bolted connections Landmark stainless steel anti-vandal fastening system at appropriate connections
Options		
<ul style="list-style-type: none"> Wood Plastic Composite (WPC) decking 		<ul style="list-style-type: none"> HDG steel bike rails HDG accessible grab rails HDG steel or hardwood accessible kick rails Hardwood posts Hardwood or pine cover boards WPC decking 304/316 grade stainless steel hand rails
For more information on options see page 12.		

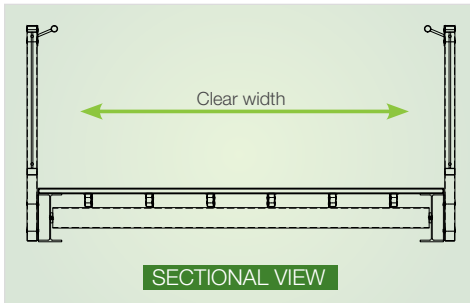


K1103 Condamine pedestrian bridge

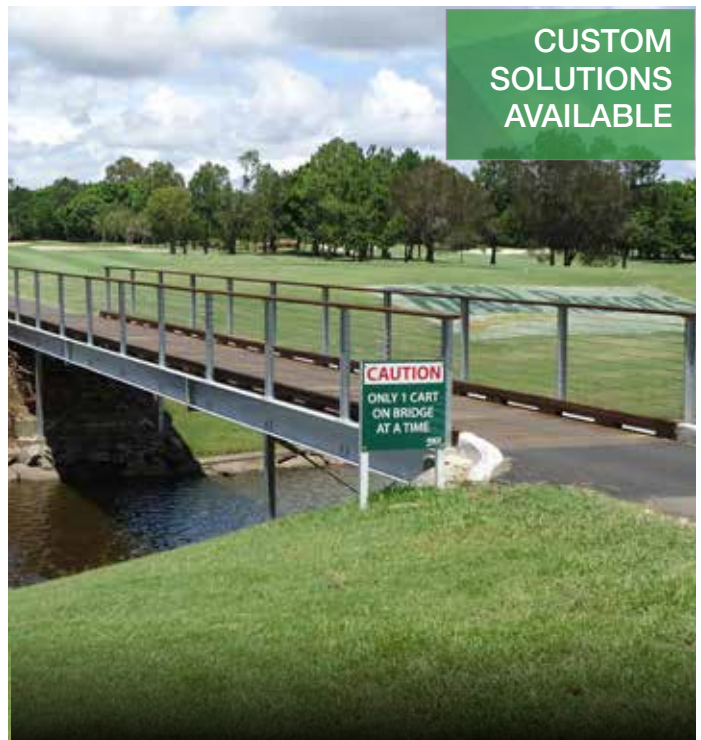
CONFIDENCE AND COMPLIANCE

- All hot-dipped galvanised steel to AS/NZS 4680:2006. All hardwood ACQ treated F17. All pine H3 treated F7.
- Precision manufactured components and hardware
- Pre-processed manufacturing
- Professional building application drawings
- Independent engineering certificate
- Complete pier and abutment design (subject to geotechnical report)
- Comprehensive installation instructions
- Engineered to 5kPa live loads
- Can support flood loads up to 2.0m/sec





STANDARD SIZE AND MAX. SPAN LIMITS								
CLEAR WIDTH (mm)	MAXIMUM SPAN (m)							
	4	6	8	10	12	14	16	18
1500	●	●	●	●	●	●	●	●
2000	●	●	●	●	●	●	●	●
2500	●	●	●	●	●	●	●	●





Pedestrian Bridges



Strong, lengthy spans

**KIT FORM
ENGINEERED**

**SITE-SPECIFIC
SOLUTIONS**

Steel truss

MURRAY SERIES (K1105)

Steel truss pedestrian bridges are economical, able to span wider, and are effective load-bearers.

Structures	Finishes	Fixings
<ul style="list-style-type: none"> Hot-dipped galvanised (HDG) steel beams, bearers and posts Joists: HDG, hardwood or pine Decking: Hardwood or (FRP) open grid mini-mesh Baluster Panels: Pre-fabricated aluminium or HDG 	<ul style="list-style-type: none"> HDG to steel members Powder-coating to HDG steel/aluminium panels (where requested) Two-pack epoxy finishes to HDG steel/aluminium elements (where requested) Factory staining to pine/hardwood members (not hardwood decking) 	<ul style="list-style-type: none"> Galvanised steel fixings 8.8/S galvanised structural bolts to structural bolted connections Landmark stainless steel anti-vandal fastening system at appropriate connections
Options		
<ul style="list-style-type: none"> Wood Plastic Composite (WPC) decking 		<ul style="list-style-type: none"> HDG steel bike rails HDG accessible grab rails HDG steel or hardwood accessible kick rails Hardwood posts Hardwood or pine cover boards WPC decking 304/316 grade stainless steel hand rails
For more information on options see page 12.		

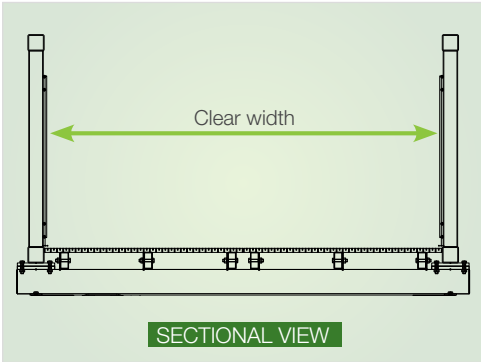


K1105 Murray pedestrian bridge

CONFIDENCE AND COMPLIANCE

- All hot-dipped galvanised steel to AS/NZS 4680:2006. All hardwood ACQ treated F17. All pine H3 treated F7.
- Precision manufactured components and hardware
- Pre-processed manufacturing
- Professional building application drawings
- Independent engineering certificate
- Complete pier and abutment design (subject to geotechnical report)
- Comprehensive installation instructions
- Engineered to 5kPa live loads
- Can support flood loads up to 2.0m/sec





STANDARD SIZE AND MAX. SPAN LIMITS											
STANDARD CLEAR WIDTH (mm)	MAXIMUM SPAN (m)										
	4	6	8	10	12	14	16	18	20	22	24
1500	●	●	●	●	●	●	●	●	●	●	●
2000	●	●	●	●	●	●	●	●	●	●	●
2500	●	●	●	●	●	●	●	●	●	●	●
3000	●	●	●	●	●	●	●	●	●	●	●





Installation of Bridges



INSTALLATION

All Landmark structures, including bridges, are fabricated to be easy-to-install, delivered fully constructed in kit-form with instructions that makes on-site installation faster with less noise, lower environmental impact.

Our products take days or weeks to install on-site where traditional construction methods can take weeks or months.

Landmark's Installation Service includes both project management and the actual installation of the structures, with our own highly experienced installers and a select group of sub-contractors at the ready. Landmark is a licensed builder.

Project Management

Our dedicated Project Managers oversee the delivery and installation process with great attention to detail and quality. They are skilled professionals with experience in relevant construction methods.

On-Site

Landmark installation teams are highly skilled professionals with many years of building and construction experience. They are committed to providing a safe site environment for both themselves and the community.

LANDMARK BRIDGE - QUOTE REQUEST

Design, manufacture and installation of bridges is a complex process. Over the past 20 years, Landmark have worked with many councils, developers and landscape architects to deliver excellence in bridge design and construction.

To assist its customers, Landmark offers the Pedestrian Bridge "Request a Quote" form, which is available on our website.

The information submitted through this form can allow Landmark to initiate your project through understanding the basic requirements.



... on this project we used a Landmark bridge. We found Landmark to be very professional and advised us of all issues prior to construction. The Project Consultant was committed to producing a top quality product on time and on budget. We would certainly use Landmark bridges again and would recommend them to anyone.

Representative, Urban Design firm, Sydney





More Information



FLOOD, CROWD AND VEHICLE LOADING

Where necessary flood loading, crowd loading (3kPa to 5kPa) and vehicle loading (up to one tonne) requirements are applied by our highly experienced in-house design team, in consultation with third-party engineers.

TOUGH, LOW MAINTENANCE DECKING

Fibre Reinforced Plastic (FRP) open grid decking is the definitive surface for pedestrian bridge structures. Landmark's standard FRP offering is a 19mm square open aperture, allowing self-cleaning with water, sand and other debris passing through. FRP is also slip-resistant, anti-corrosive, and almost indestructible. A closed grid decking option is also available.



100% RECYCLED – TOUGH AS NAILS DECKING

Wood plastic composite (WPC) can be used as a long-wearing alternative to decking, and used on cap-rails. Made from recycled wood compounds and polypropylene (engineered plastic) WPC is environmentally-friendly, containing up to 100% recycled material. WPC requires no staining, oil, lacquer or painting, has a high UV resistance, doesn't splinter and is extremely resistant to insect attack, fungi, rot and is corrosion free. WPC delivers a cost-effective solution over the product's life.

STAINLESS STEEL ANTI-VANDAL FASTENING SYSTEM

Comes with a matching key, the system deters vandals, and reduces theft and destruction.



STANDARD AND OPTIONAL BARRIER PANEL

Condamine and Murray bridges use galvanised steel barrier panels. All pedestrian bridges have the option of kick, hand and/or bicycle rails included.



TRACEABILITY PLAQUE

All Landmark products carry an individual serial number so all product information is readily available in the event of maintenance requirements.

THE LANDMARK ATLAS

If a pedestrian bridge in the catalogue doesn't meet your specific need, ask your Project Consultant about the Landmark Atlas, a comprehensive directory of pre-engineered, completed modified and custom designs.



CERTIFICATIONS

IS ISO 9001 Certified

This internationally recognised accreditation assures the highest quality standard of manufacture - Landmark is safe, consistent, meets customer expectations, continuously improves and complies with the law.

IS BS OHSAS 18001:2007 Certified

This international Occupational Health and Safety Management certification demonstrates Landmark Products' commitment to sound occupational health and safety performance.

All Landmark structures meet or exceed the National Construction Code (NCC), and other relevant Australian standards including:

- AS1170 Structural Design Actions
- AS 1428.1 Design for Access and Mobility
- AS 1720 Timber Structures
- AS 4100 Steel Structures
- Other relevant codes.

Materials and Finishes

All materials used in our bridges are sourced from carefully selected suppliers, known for consistent quality. As a certified ISO 9001 manufacturer offering a 25-year limited structural warranty, Landmark is committed to the highest quality processes to produce consistent, reliable products.



TIMBER

All our timber components are factory stained with our standard CD50 oil-based stain.

Pine: Our premium quality plantation hoop pine is stabilised and treated with safe Light Organic Solvent Preservatives (LOSP) to Hazard Level 3. LOSP treatment is used for structures subject to moist environments, preventing fungal decay of timber.

Hardwood: Our hardwood is select grade, sustainably harvested Western Queensland Hardwood (Spotted Gum or similar), ACQ treated to Hazard Level 4. Hardwood is graded F14 or better (the majority being F17). Ammoniacal Copper Quaternary (ACQ) preservative treatment provides greater safety of storage and application than CCA, yet retains similar performance. Landmark do not recommend painting hardwood.

Rosewood, an attractive and long-lasting timber, is used for timber screens. This too can be stained.

METAL

Steel: Mild-steel, hot-dipped galvanised to comply with AS/NZ 4680 standard, steel can be powder-coated to provide hard-wearing protection and a colourful, attractive finish. For higher level protection, two-pack epoxy paint or thermoplastic coatings can be applied.

Aluminium: Chosen for its resistance to corrosion, aluminium is about 30% as strong as steel, so it is used selectively.

DOWNLOADS

A full range of our colour and finish options is available at: landmarkpro.com.au/downloads



EPOXY/TWO PACK COLOURS



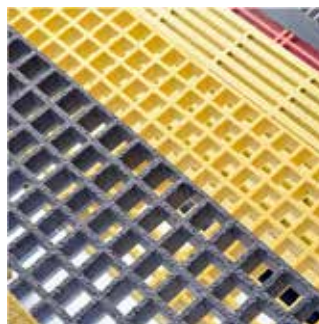
PINE PAINT COLOURS



TIMBER COLOUR TONES



POWDER COATING COLOURS



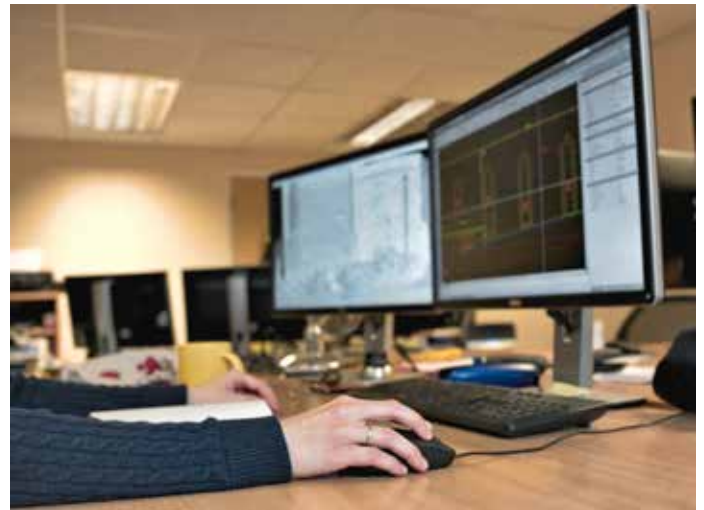
FRP DECKING COLOURS

DESIGN SERVICES

Although we have an extensive range of standard products (which can be modified to your needs), when it comes to custom products, our design process starts with our customers.

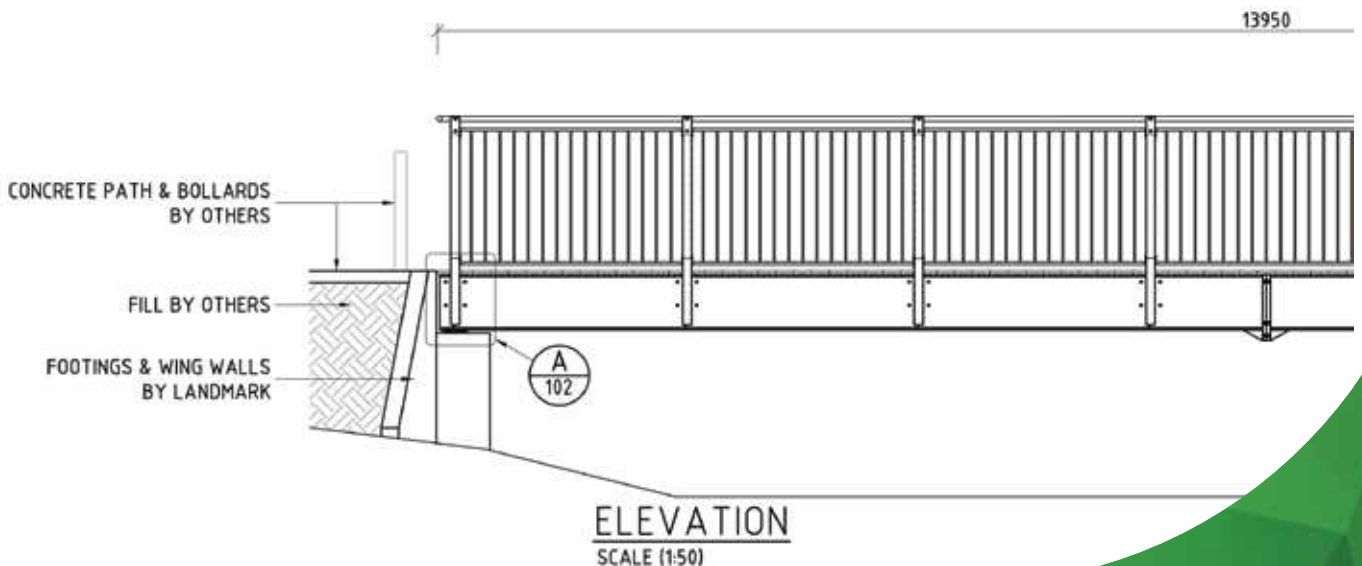
A concept that starts in the mind of a developer, an urban planner or landscape architect, can become a place of community and a hub of activity thanks to collaboration with Landmark's experienced design specialists.

For custom work, Landmark's talented design team listen and seek a full understanding of the vision and purpose of each project. The starting point can be an in-depth consultation session, client's providing a few sketches on a page, or a comprehensive set of CAD drawings.



Whatever the starting point, Landmark's design team can "add flesh to the bones", and begin to add the intricate specifics and attention-to-detail needed to complete a project that, at the very least, meets our customers' needs. Ultimately our aim is to exceed expectations.

When it comes to bigger projects, Landmark Products understand that collaboration with other professionals is the key to cutting-edge, multi-faceted design, and our track record of working with landscape architects, urban designers, various consultants and other infrastructure specialists is second-to-none.





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