



AusFloat

Product Guide



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Table of Contents

1. Why choose AusFloat
2. The AusFloat Story
3. Technical Data
4. Configurations & Options

Preface

This Product Guide is intended for all potential users of AusFloat products, including project owners and managers, architects, engineers, project certifiers, and builders.

This publication will enable designers, certifiers and builders to specify and use AusFloat products with ease and have confidence in the quality and integrity of the data presented and the products supplied.

Relevance

It is expected that the content of this Product Guide will change over time as a result of improvements to the materials, properties and finishes of products, and due to changes to the product range.

Material availability may also vary from time to time.

Therefore it is important to check that you are using the most up to date information by referring to the AusFloat website.

Why Choose AusFloat

Cost effective, durable, lightweight and highly adaptable, AusFloat provide the perfect solution for most challenging marine environments.

Our patented AusFloat system provides an easy-to-install and easy-to-relocate pontoon platform for:

- light craft landing / docking
- boat ramp access
- floating walkways of any length
- swimming platform and enclosures

Backed by the Jetty Specialist Team, our in-house designers can help configure the perfect solution for your next project.



Triabunna Boat Ramp - TAS

The versatility of the AusFloat system provided a quick and cost effective solution for double lane launching and retrieval at this busy facility. By installing width ways, users have a 3m wide platform for added safety when accessing and egressing vessels.

With two interchangeable size options and customisable accessories such as fenders, mooring cleats, handrails, jet ski skirts and more, the AusFloat can be configured to your projects unique specifications.

Made in Australia using food grade HDPE, our modules provide a no-maintenance, non-slip trafficable surface which is highly UV resistant & impervious to harsh marine conditions. As a conscientious manufacturer, we use recycled materials where possible in the production of every AusFloat, and the modules are fully recyclable at the end of their life cycle.

The cool grey colour of the modules was chosen to resist heat absorption, providing a safe and comfortable surface, compliant with public access walkway standards.



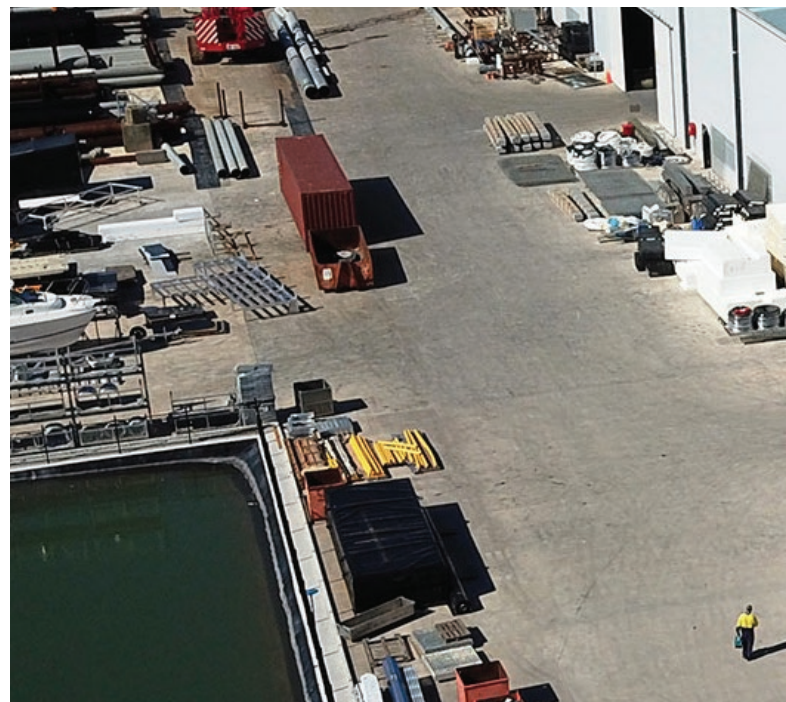
The AusFloat Story

In 1986 Neil and Leith Morris set out to build a new future and shape the Sunshine Coast waterways for years to come. They began this journey with a sole task; build their first pontoon. Through perseverance, grit and an eye for detail, The Jetty Specialist's first ever pontoon and gangway was built on their home driveway.

The product was a success, out-lasting other structures in the Mooloolah River and canals, providing a perfect platform for a growing industry.

35 years on, and with a focus on productisation and technological advancements, we are able to deliver an intelligent and simple service that puts you in control.

- Configurable and affordable
- ISO9001 Accredited
- Australian Made
- Low maintenance
- Lightweight and easy to install
- Australian designed, manufactured & engineered
- 100% Recycleable at end of life
- Uses recycled materials wherever possible





Technical Data

SIZES	3m x 2m x .45m (2965mm x 1965mm x 450mm) 2m x 1.5m x .45m (1965mm x 1465mm x 450mm)
COLOUR	Mottle Grey Other colours available on request
MATERIAL	LLDPE (Alkatuff LL705UV Linear Low Density Poly-ethylene)
RUBBER CONNECTORS (Y BONE)	High quality compressed rubber compound
CONNECTION BOLT	430mm M12 316 Stainless Steel
DECKING	Raised tile pattern, self draining non slip LDPE
DECKING SUPPORT	Internal elongated conical "kiss off" from base to inner module deck
SIDE PANEL REINFORCING	Recessed panel sections with curved corner panels
WEIGHT	250kg - (3m x 2m x .45m) 100kg (2m x 1.5m x .45m)
DRAFT (UNDER SELF WEIGHT)	30mm (Approximately)
LOAD PERFORMANCE	3kpa live load according to AS3962 (Guidelines for Design of Marinas) High resistance to impact damage High recovery from impact damage Berthing impact is design dependant and varies with the system layout including pile locations and spacing, module configuration and module layout. The Jetty Specialist works with our clients to develop a system suitable to your particular berthing requirements in consideration of your site, expected vessel types and the relevant Australian design standards.

CHEMICAL RESISTANCE	Polyethylene is one of the most stable and inert polymers exhibiting very high resistance to chemical attack making it particularly useful in a wide range of applications for use with chemicals Refer to Qenos General Properties Technical Guide (Page 28 Chemical Resistance) Refer to Qenos Alkatuff LL705UV Technical Data Sheet
ENVIRONMENTAL PERFORMANCE	Normal Operating Temperature (-10 degrees C to +60 degrees C) Melting Point 127 degrees C Thermal Stability Pass to AS/NZS 4766 (Polyethylene Tanks) UV Resistance UV20 to AS/NZS 4766 (Polyethylene Tanks) Base Resign Requirement compliant to AS/NZS 4766 (Polyethylene Tanks) Extremely resistant to marine degradation
MANUFACTURING	AusFloat is manufactured under a quality management system to ISO 9001-2015 under license by Keil Industries
WARRANTY	5 year conditional
SYSTEM USES	The versatile design of the AusFloat System allows for a large number of uses through any marine or aquatic environment
RESTRAINT SYSTEM	Driven Piles with custom design pile brackets Cable Bracing Anchor System
ACCESSORIES	Handrails Systems Pile Barriers Moulded Polyethylene Float Protectors (Fenders)



Port Sorrell - TAS

This AusFloat installation provides a 3m wide platform and acts as an attenuator to allow boaties safe access in harsh weather



Technical Data Sheet - Alkatuff LL705UV

Alkatuff LL705UV is a hexene LLDPE material specifically designed for rotational moulding applications that require excellent ESCR, chemical resistance, stiffness and toughness. Alkatuff LL705UV is UV stabilised to provide prolonged outdoor protection in Australian conditions.

POLYMER PROPERTIES	VALUE
Melt Index @ 190°C, 2.16 kg	5.0
Density	0.935
MOULDING PROPERTIES	VALUE ¹
Melting Point	127
Thermal Stability	Pass
Tensile Strength at Yield ²	17.5
Flexural Modulus (1% Secant) ³	700
ESCR F ₅₀ (Condition A, 100% Igepal)	>1000
Contact with Drinking Water	Pass
Hydrostatic Design Basis	6.90 ⁴
UV Resistance ⁵	UV20

1. Typical values - not to be construed as specifications.
2. At 50 mm/min cross-head speed.
3. At 12.7 mm/min cross-head speed.
4. A service factor must be applied in accordance with AS/NZS 4766.
5. Samples of injection moulded non-pigmented LL705UV retained more than 50% tensile elongation after 20,000 hours of accelerated weathering in Qenos's Xenon-Arc weatherometer. Qenos is accredited by NATA to perform accelerated weathering in accordance with ASTM D2565. UV performance determined via artificial weathering does not translate into a specific outdoor UV lifespan. Many factors can influence the overall UV performance of rotomoulded articles.

	UNITS	TEST METHOD
	g/10 min	ASTM D1238
	g/cm ³	ASTM D1505
	UNITS	TEST METHOD
	°C	ASTM D3418
	-	AS/NZS 4766
	MPa	ASTM D638
	MPa	ASTM D790B
	hrs	ASTM D1693
	-	AS/NZS 4020
	MPa	ASTM D2837
	-	AS/NZS 4766



Lake Barrington - Tasmania

Versatility of AusFloat were recognized as the perfect solution for creating both pedestrian access and a safe swimming enclosure for this freshwater lake.

(Piled installation - Water level variance 5.5m)

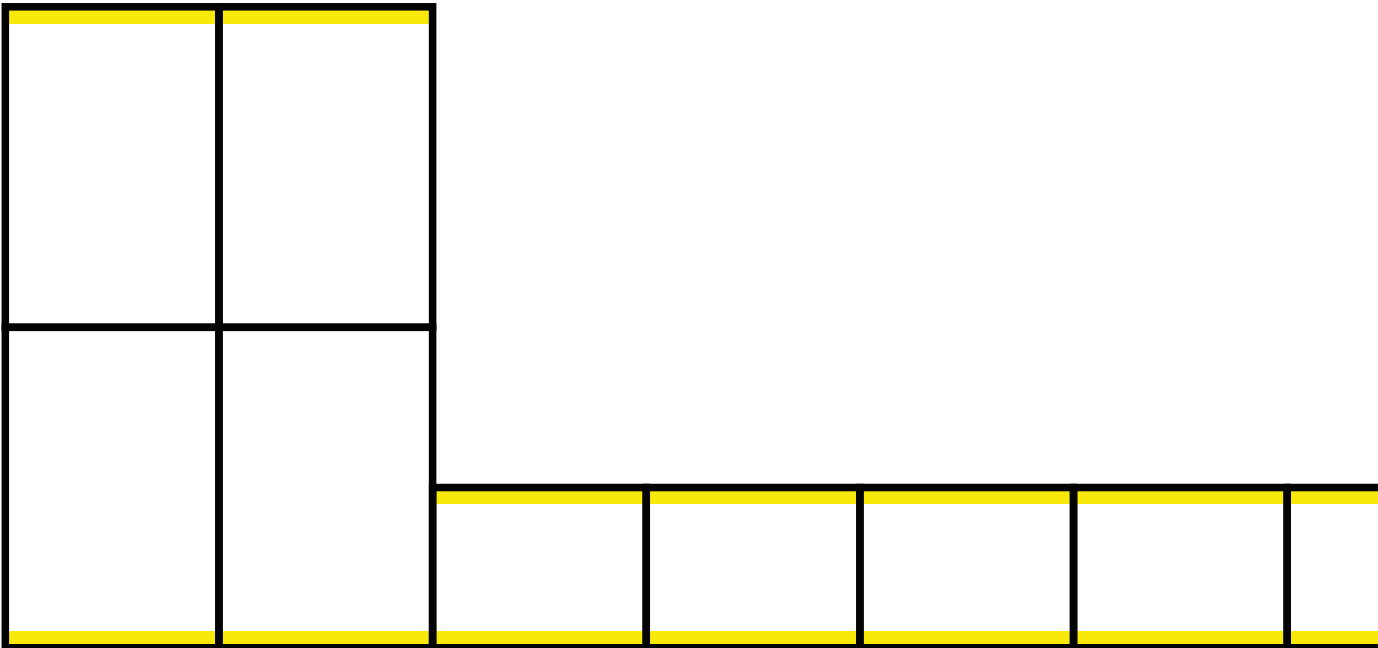
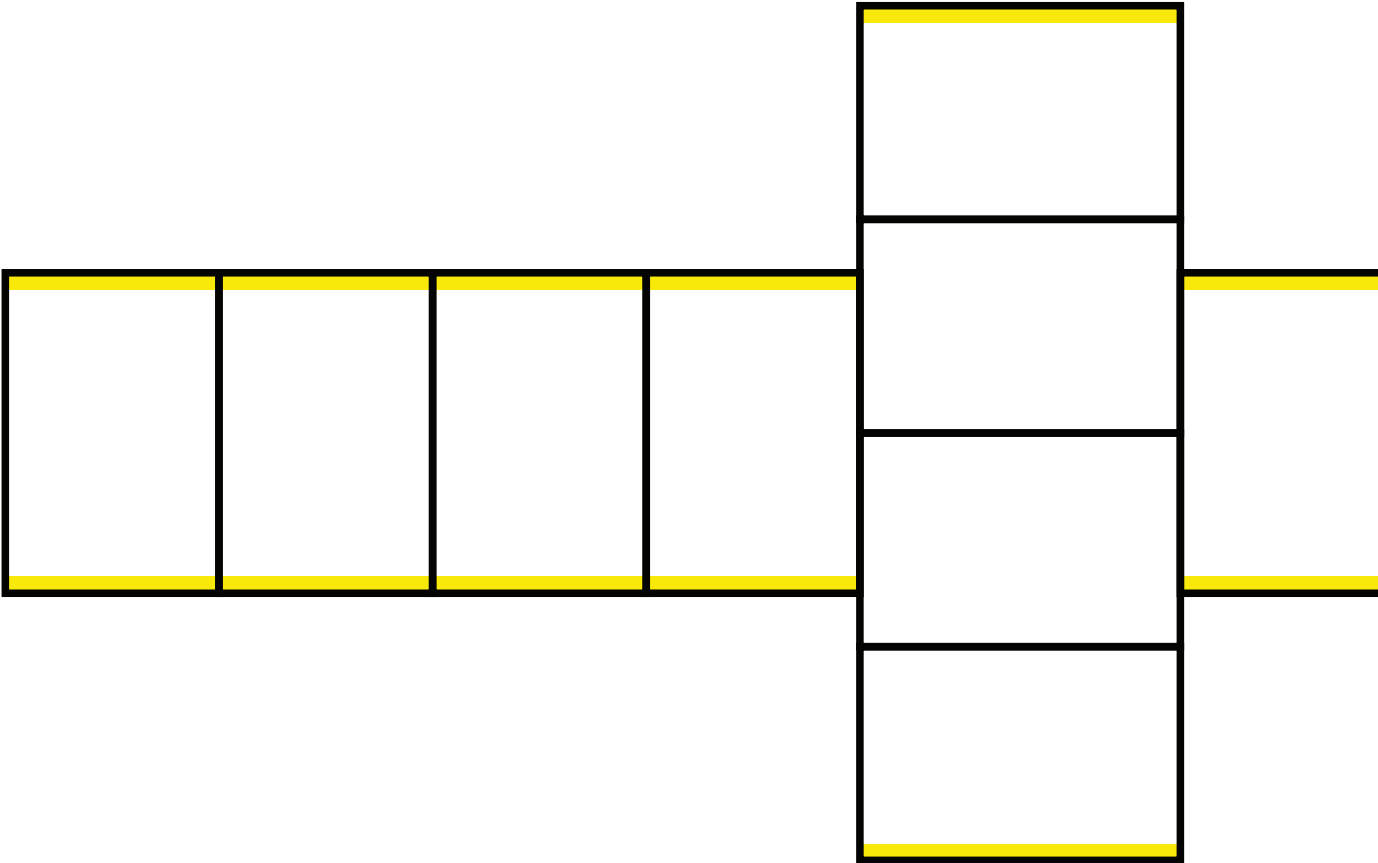


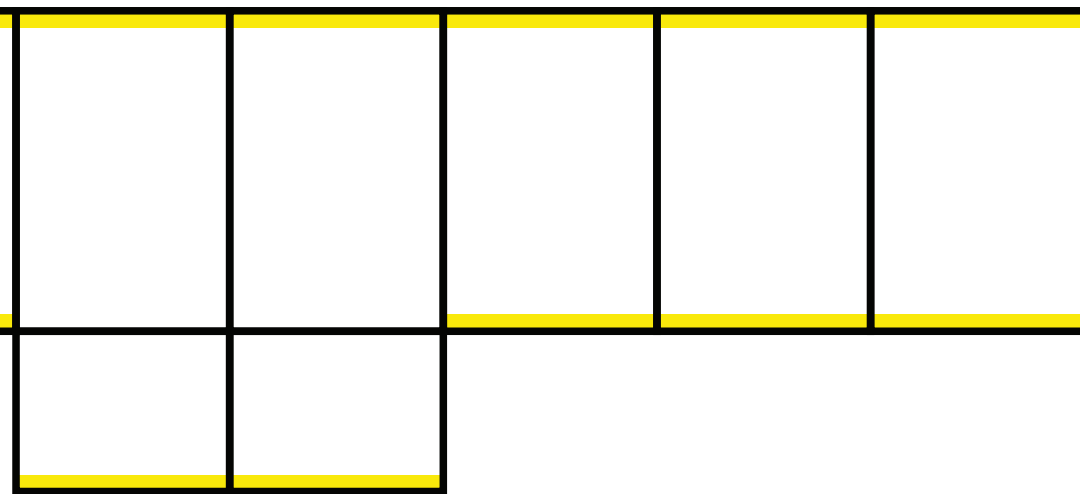
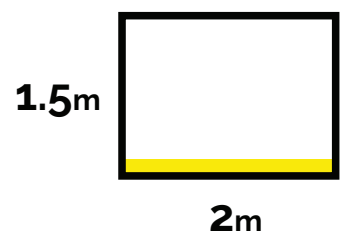
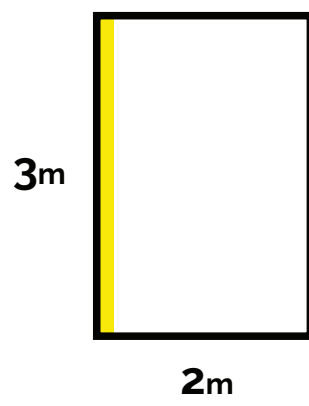
Jindalee Boat Ramp – Queensland

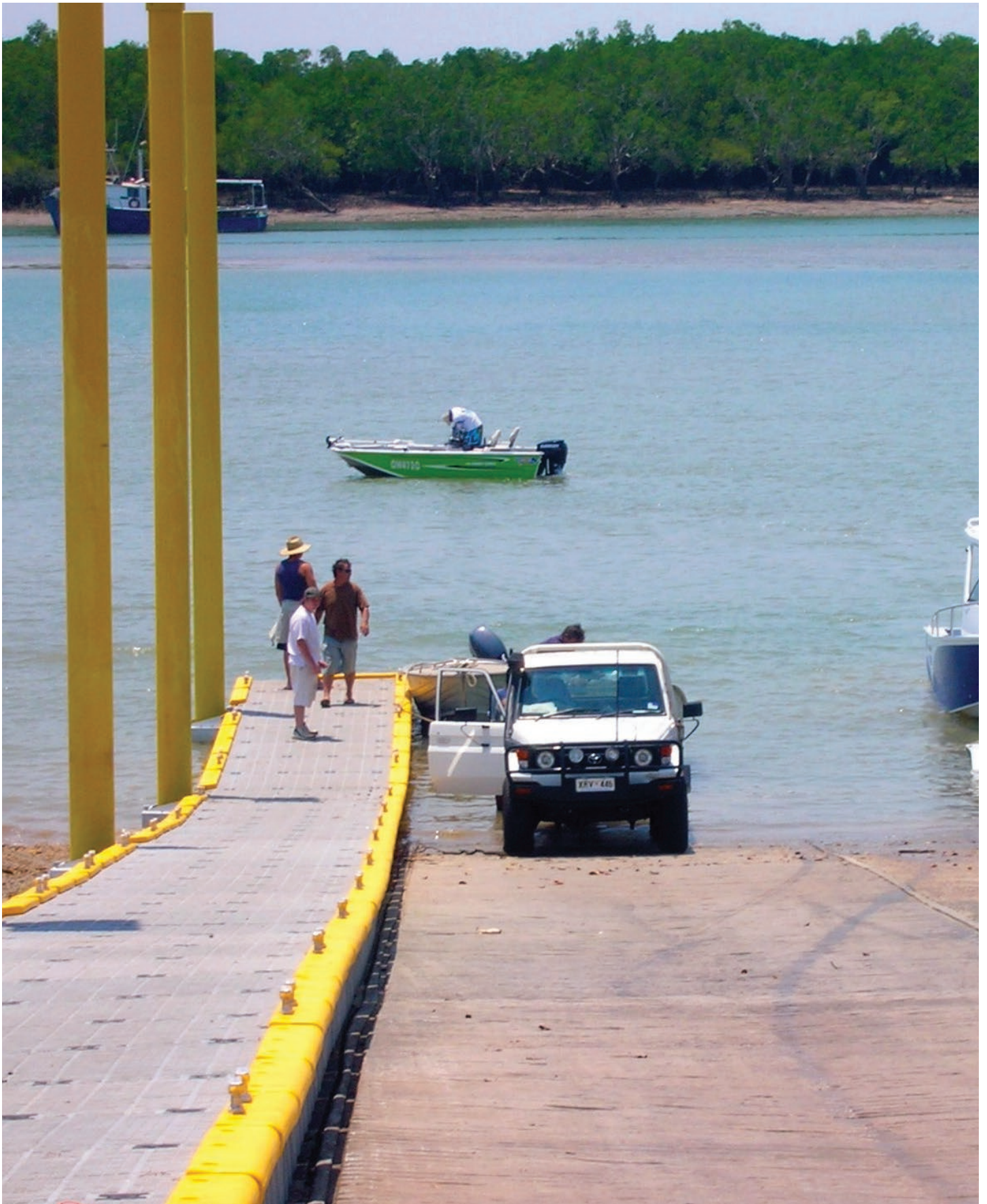
Piled flood resilient design with handrails, moorings and fenders



Configuration Examples







Dinah Beach Boat Ramp - Northern Territory

Durable installation designed to cope with harsh weather conditions and a tidal range of 8m+



Tamar River Boat Ramp - Windermere

AusFloat secured with piers and fitted with fenders provide a stable solution for access and egress at this boat ramp with 500m fetch to the South

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