

MARINE



PROCOMPOSITES™

ENGINEERING

Composite decking and piling for marinas and ports



Mini Mesh
Grating



Standard Mesh
Grating



Solid Top
Grating



Sheet
Piling

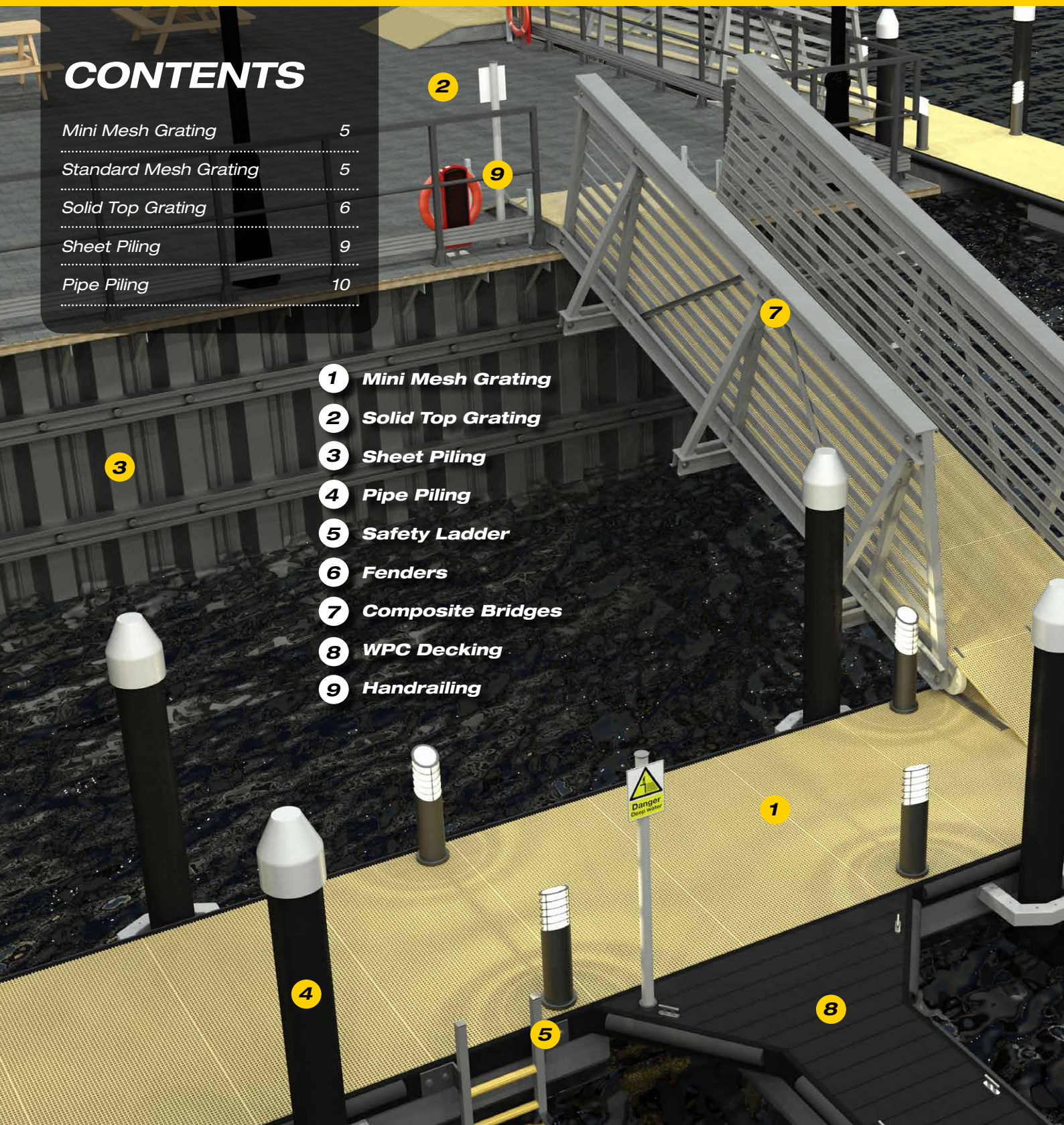


Pipe
Piling

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Mini Mesh Grating



Standard Mesh Grating



Solid Top Grating



Sheet Piling



Pipe Piling

PROVIDING COMPOSITE SOLUTIONS TO THE MARINE INDUSTRY

ProComposites had been providing composite solutions to the Marine, Industrial, Architectural and Rail industries for a number of years before coming to the attention of the Lionweld Kennedy Group who eventually acquired the business in 2018.

For over 100 years, Lionweld Kennedy has been manufacturing and supplying forge welded steel gratings and access products. In addition to this, the company has also supplied GRP (Glass reinforced Polymer) gratings and composite structures across many industries for over 30 years. Lionweld Kennedy is a CE accredited specialist and can offer a design, manufacture and installation service in both steel and GRP.

Lionweld Kennedy's history can be traced back to 1910 when P.A. Mudd and Company were one of the first electric arc welding companies in Britain, almost 20 years after Lionweld Steel Flooring and Stairway Company was formed, it then merged with the Alan Kennedy & Co. Ltd in 1988 making Lionweld Kennedy one of the largest manufacturers of open mesh flooring and handrail systems in the UK.

Hill & Smith Holdings PLC acquired Lionweld Kennedy in 2004. After some significant investment in equipment and

resource, the company has gone from strength to strength through offering exceptional products and a quality service.

Through a continuous cycle of product innovation and evolution the company has pushed the boundaries of excellence through the utilisation of new technologies, facilities and design principles.

We understand that constant wet areas lead to potential slips and hazards. At Pro Composites, we supply GRP anti-slip solutions for marine, harbour and dock areas.

GRP marina decking is an alternative to traditional decking materials such as timber, steel or plastic surfaces. They can be cut to any size you require, and have been tested to provide an excellent level of slip resistance in wet, oily and icy conditions.

Our skilled team can fabricate fibreglass marina decking customised to suit any length or width of walkway or pier.

- ✓ Areas with high footfall
- ✓ Anti-slip surface
- ✓ Quick Install
- ✓ Low maintenance
- ✓ Corrosion resistant
- ✓ Fire Resistant
- ✓ UV stable
- ✓ Meets health and safety standards
- ✓ Low life cycle costs



PROGRATING DECKING

Minimesh GRP Grating

ProGrating Minimesh GRP grating has been designed to provide a high strength, lightweight and durable solution for Pontoons, Piers, Jetties and many other applications.

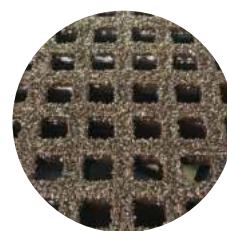
These Grating panels are suitable for general use where factors such as High Grip, high-strength, non-conductive, lightweight and corrosion resistant applications are required.

ProGrating Minimesh GRP gratings can be up to 50% lighter than more traditional decking such as Timber and Steel and are finished with a hard wearing anti-slip gritted surface – compliant to National and Internationally recognised standards.

Product	Length (mm)	Width (mm)	Open Mesh (mm)	Max Span (mm)	Weight Kg/Sqm
ProGrating Minimesh					
22mm	3007	1007	12	600	14
	4047	1247	12	600	14
	4047	1527	12	600	14
30mm	3007	1007	12	900	18
	4047	1247	12	900	18
38mm	3007	1007	12	1200	23
	4047	1247	12	1200	23

This product is also available in Phenolic with its excellent Fire Retardant Properties that meet BS476 Part 7 Class 0 and section 12 of London underground standards for low smoke and low toxicity use in tunnels.

This is why ProGrating Minimesh is the number one choice to most Pontoon Builders.



Standard Colours:



(Other RAL colours are available upon request)

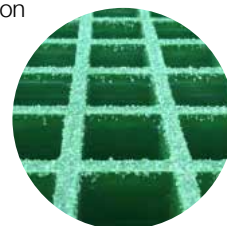
Product	Length (mm)	Width (mm)	Open Mesh (mm)	Weight Kg/Sqm
ProGrating Standard				
13mm	2000	1000	38	6.3
	3000	1000	38	6.3
	4000	1000	38	6.3
	3660	1220	38	6.3
19mm	2000	1000	38	8.6
	3000	1000	38	8.6
	4000	1000	38	8.6
	3660	1220	38	8.6
25mm	2000	1000	38	12.2
	3000	1000	38	12.2
	4000	1000	38	12.2
	3660	1220	38	12.2
30mm	2000	1000	38	18.6
	3000	1000	38	18.6
	4000	1000	38	18.6
	3660	1220	38	18.6
32mm	2000	1000	38	19
	3000	1000	38	19
	4000	1000	38	19
	3660	1220	38	19
38mm	2000	1000	38	19.6
	3000	1000	38	19.6
	4000	1000	38	19.6
	3660	1220	38	19.6
50mm	2000	1000	50	23.4
	3000	1000	50	23.4
	4000	1000	50	23.4
	3660	1220	50	23.4

Standard GRP Grating

ProGrating Standard GRP grating has been designed to provide a high strength, lightweight and durable solution for walkways, platforms, gullies and drainage covers.

The reduced mesh size allows effective drainage and debris fall prevention when used as flooring.

The panel can be utilised as a debris litter screen and/or machine guarding when used vertically.



The Isophthalic/Orthophthalic Polyester Grating panels are suitable for general use where factors such as high-strength, non-conductive, lightweight and corrosion resistant applications are required.

ProGrating Standard GRP gratings are up to 50% lighter than steel gratings and are finished with a hard wearing anti-slip gritted surface – compliant to National and Internationally recognised standards.

This product is also available in Phenolic with its excellent Fire Retardant Properties that meet BS476 Part 7 Class 0 and section 12 of London underground standards for low smoke and low toxicity use in tunnels.

Standard Colours:



(Other RAL colours are available upon request)

PROGRATING DECKING

SolidTop GRP Grating

ProGrating Solid Top moulded GRP grating panels are a lightweight and durable solution for walkways and platforms.

The panel is available in a various thickness and has a 3mm solid grip plate to the upper side of the panel.

The Isophthalic Polyester Grating panels are suitable for general use where factors such as high-strength, non-conductive, lightweight and corrosion resistant applications are required.

Panels are up to 50% lighter than steel. The panels are finished in a hard wearing anti-slip gritted surface – compliant to National and Internationally recognised standards.

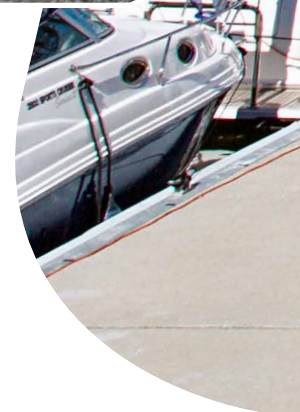
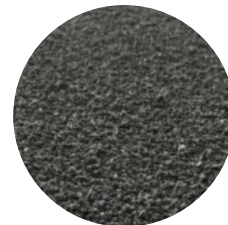
Product	Length (mm)	Width (mm)	Open Mesh (mm)	Weight Kg/Sqm
ProGrating Solid Top				
28mm	3660	1220	N/A	18
41mm	3660	1220	N/A	24
53mm	3660	1220	N/A	26

Standard Colours:



(Other RAL colours are available upon request)

GRP marina decking is ideal for use in access bridges, sailing clubs, jetties, gangways, re-fuelling jetties, berthing stations, yacht harbours, tidal brows, fishing platforms and floating pontoons among others.







PROPILE SHEET PILING

Composite sheet pile system is a fibreglass sheet pile retaining wall structure for waterfront applications where environmental considerations require a sheet pile wall structure that will not rot, decay, rust or spall.

Sheet Piling

ProPile Sheet Pile System, a FRP composite system, is manufactured by the pultrusion process and is designed and manufactured to provide a solution for deteriorated waterfront structures subjected to the harsh marine environment.

The patented product line offers cost effective, long-term and low-maintenance solutions, and has been vetted for two decades as the premier solution for long-term shoreline and asset protection.

Typical Wall Applications

ProPile is an alternative construction material without many of the performance disadvantages of conventional materials such as aluminum, concrete, steel and wood.

ProPile will not corrode, decay, or spall thereby reducing maintenance costs and future replacements. The FRP composite system resists impact, creep, UV and weathering effects better than vinyl (PVC) materials and is easier to install in harder soils than vinyl sheet piling.



- ✓ **Wave Breaks**
- ✓ **Retaining Walls**
- ✓ **Water Control**
- ✓ **Land Stabilisation**
- ✓ **Bridge Abutments**
- ✓ **Erosion Control**
- ✓ **Stay-In-Place Forms**
- ✓ **Storm Surge / Flood Protection**
- ✓ **Containment / Cut-Off Walls**

As all specifications are different please contact our team to discuss your project specific requirements.

PROPIPE PILING

Composite pipe piles were developed to fill a need in a market where an extremely tough, high energy absorbing round pipe pile is required.

ProPipe was developed to provide superior performance in harsh marine environments where legacy piles such as steel, concrete, and wood will not stand the test of time.

ProPipe is constructed of thermoset resins with fibreglass reinforcements for optimal strength and stiffness characteristics. If your project requires a pile with superior rot and corrosion resistance, ProPipe is the best choice.

ProPipe is ideal for fender, mooring, dock, and bearing pile applications.

As all specifications are different please contact our team to discuss your project specific requirements.

- ✓ **Unaffected by Marine Borers**
Will not succumb to aquatic mollusks or crustaceans.
- ✓ **Will Not Rot**
Inert to fungi or microbial attack.
- ✓ **Lightweight**
Significantly lighter than steel, concrete and wood piles.
- ✓ **Green**
Low embodied energy.
- ✓ **Non-Polluting**
Accepted by NJDEP as non-polluting material for water and land use.
- ✓ **Safety**
Very low electrical conductivity, ideal for working around power lines.
- ✓ **Installed with Traditional Pile Driving Equipment**
Similar to wood, steel, and concrete.





GLOBAL SUPPLY CHAIN



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ENGINEERING

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Due to our policy of continual improvement we reserve the right to change specifications at all times without prior notice.

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Pro-Composites Engineering is a trading name of

**LK LIONWELD KENNEDY
FLOORING LIMITED**