

ACCESS SYSTEMS

FRP Grating | FRP Handrail | FRP Structures

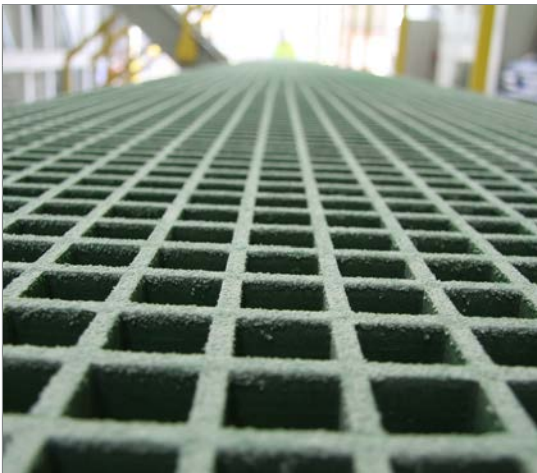
EX-Series® FRP Grating, Handrails & Ladders

The safe access and passage located in elevated areas, confined spaces or in areas that are exposed to corrosion are considered as one of the biggest challenges faced by industries globally. Treadwell's ACCESS SYSTEMS are designed and engineered from FRP composites and features a robust, lightweight, non-conductive as well as non-corrosive solution to face the many challenges across industries.

Because of our exceptionally versatile designs, Treadwell's EX-Series® Handrails, EX-Series® Grating and EX-Series® Ladders have emerged as ideal options to solve whatever access challenge at hand and in whichever environment.



Treadwell ACCESS SYSTEMS Range



EX-Series® FRP Grating

For use in a multitude of environments where the non-slip grating may be subjected to continuous spills, electrical dangers, fumes, splashes or submersions, EX-Series® FRP Grating is the ideal choice. In such challenging environments, FRP grating will exceed the performance of standard traditional grating options. Our FRP grating is available in standard panels or can be customised to specification.

- GratEX®
- MoultrEX®
- GridEX®
- EX-Series® Stair Treads
- EX-Series® P Series Phenolic Grating
- Conductive Grating
- EX-Series® Clips & Accessories



RailEX® FRP Handrails

To fulfill the growing demand of a handrail system that does not require any maintenance, installed easily and can withstand any given weather condition, RailEX® FRP handrails provides a strong case. RailEX® FRP handrails have been designed and developed as a safe and dependable handrail system that conforms to AS 1657-1992.

- EX-Series® RailEX® FRP handrails are available in the following profiles:
- RailEX® ROUND
 - RailEX® SQUARE




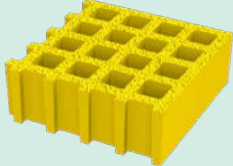
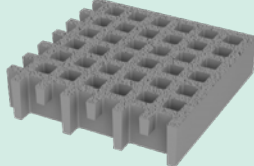
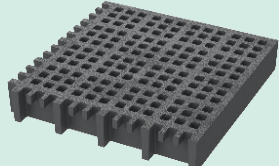

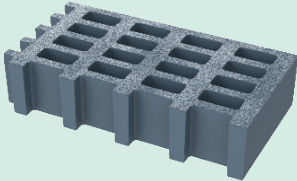
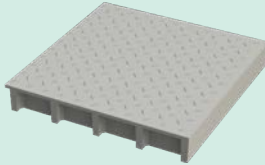
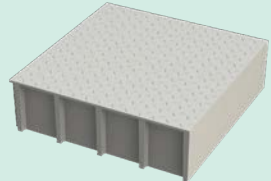
EX-Series® FRP Access Ladders

EX-Series® FRP Access Ladders are considered as the best alternatives to cage systems and conventional metallic ladders as they provide the full benefits of FRP including exceptional corrosion resistance as well as electrical transparency.

- LadderEX® Range

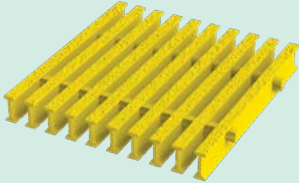
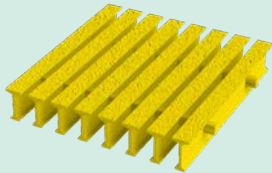
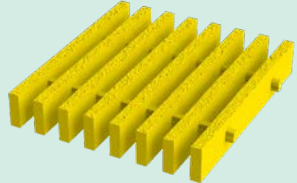
GratEX® Moulded FRP Grating

Cost effective GratEX® Moulded FRP grating panels allow for effective on-site fabrication/trimming whilst ensuring that wastage is minimised. Load bearing bars in both directions allow for use without continuous side support and so contribute to cost effectiveness.

Standard Square	Standard Heavy Duty Square	Mini Mesh	Micro Mesh
			
Rectangular Mesh	Heavy Duty Rectangular Mesh	Solid Top	Heavy Duty Solid Top
			

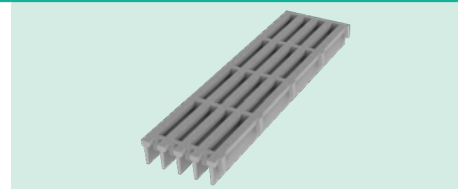
GridEX® Pultruded FRP Grating

GridEX® offers you options such as selection of open space, bar shape, cross-rod placement, custom fabrication, and custom resin or colour. A wide variety of bar shapes along with various bearing bar and cross-rod spacing are available depending on the design requirements.

I Type	T Type	Bar Type
		

MoultrEX® Moultruded FRP Grating

Treadwell's MoultrEX® fibreglass moultruded grating is the first open mesh grating ever to combine the high performance values of fibreglass reinforced plastic (FRP) moulded grating with the amazing capabilities of pultrusion. This has been achieved through clever utilisation of pultrusions within the body of the product's load bars and boasts greater amounts of glass in every item than have ever been seen previously.



EX-Series® Installation Systems & Grating Clips

Our FRP gratings can be securely fixed to support members in a range of methods. Our standard installation systems are supplied in 316 grade stainless steel with Super Duplex, 304 stainless steel and other grades of stainless steel options available on request.

EX-Series® Stair Treads

Treadwell's range of EX-Series® stair treads includes both open surface and closed surface options, and a range of surface patterns, colour and leading edge nosing options.

Please refer to the grating product guide for more information.

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RailEX® FRP Handrail Systems

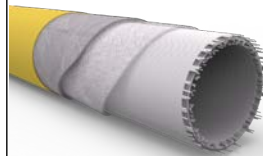
The RailEX® FRP handrail system is a patented industrial rated product that is noted for its durability, strength, and versatility. Further, Treadwell's FRP handrail system has multiple uses in many industries and markets, and can be tailored to meet the requirements of our clients. Treadwell can deliver RailEX® as components or as prefabricated systems for immediate installation.

With the flexibility to supply the handrail as components or modulated panels to suit your exact requirements, RailEX® is definitely the "fit and forget" safety fibreglass handrail system.

Materials of Construction

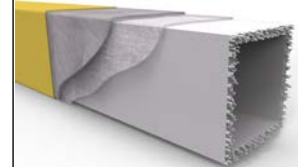
RailEX® FRP handrail is constructed from fibreglass rovings combined with a blend of thermosetting resin systems. All of the resins used in the production of EX-Series® products contain UV inhibitors and fire retardant additives. ROUND Rail is the recommended ergonomic solution. SQUARE Rail is also available upon request.

ROUND RAIL



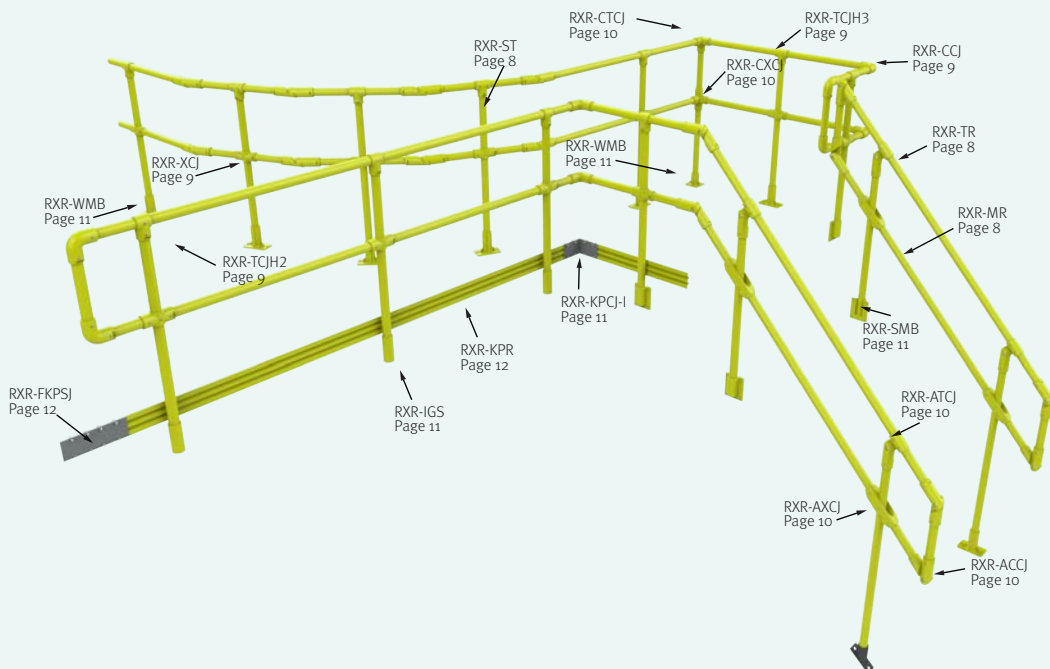
ROUND

SQUARE RAIL



SQUARE

RailEX® ROUND Overview



This illustration is for parts visualization only and does not represent an actual layout.

Please refer to the grating product guide for more information.

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LadderEX[®] FRP Ladder Systems

LadderEX[®] is the choice alternative to metallic ladders and cage systems, providing superior corrosion resistance and electrical transparency. Even in complete submersion applications, our FRP ladders have outlasted aluminium and steel and required little maintenance or care.

The rungs are a pultruded fibreglass polyester tube with a fluted, non-skid surface.

The product range in Treadwell's ladder and platform systems include fibreglass platforms, fibreglass ladders, fibreglass caged ladders, FRP walkways and other such customisations in FRP based configurations which are offered in the following categories:



LadderEX[®] Overview

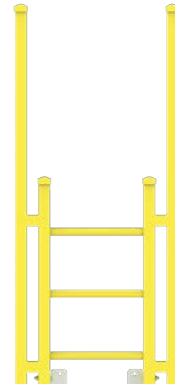
LadderEX[®] Standard Ladders



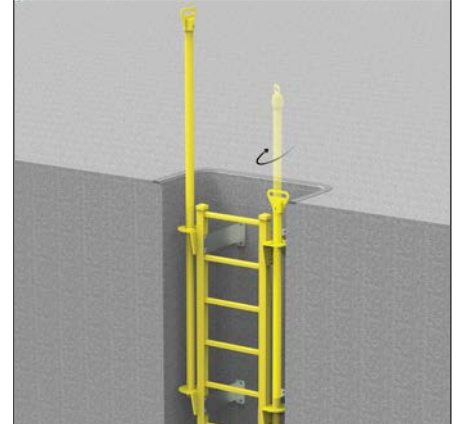
LadderEX[®] Caged Ladders



LadderEX[®] Standard Stiles



LadderEX[®] Retractable Stiles



Please refer to the LadderEX[®] product guide for more information.