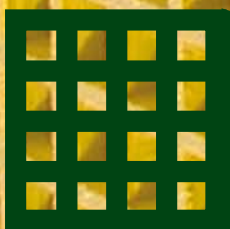
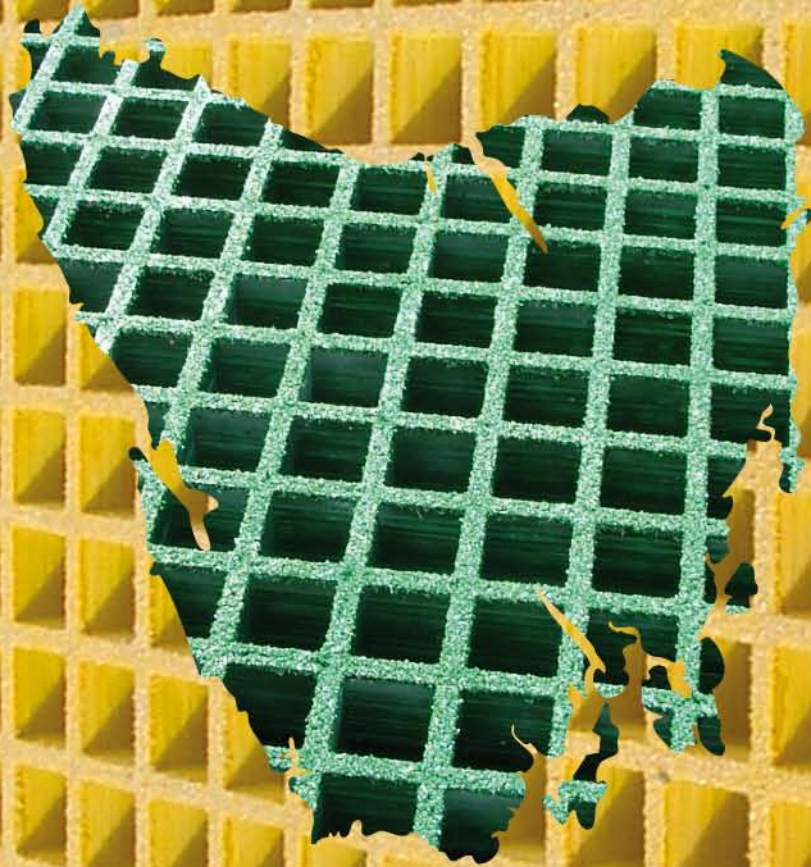
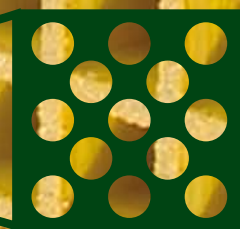


Fibreglass Reinforced Plastic Grating

**Won't Rust - Stronger than Steel
Excellent Grip
ISO 2000 Certified**



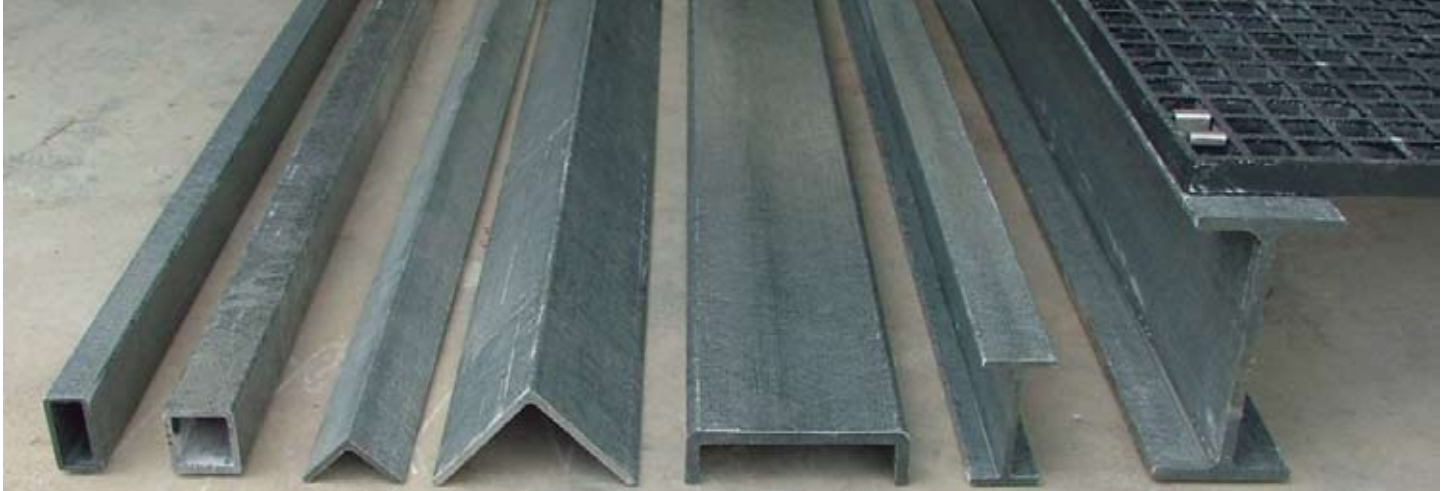
Grating Tasmania



Website. www.gratingtasmania.com.au

FRP - Pultruded Products

Designed for Saltwater and Corrosive Environments. These light weight profiles have been manufactured from Vinyl Ester Resins, Reinforced with continuous Fibreglass Matting which has - a High Resistance to many Chemicals - a High Operating Temperature Range, - has been manufactured containing Fire Retardants and contains UV Inhibitors.



HOLLOW TUBES

100x100x6.4 Square Tube
 100x100x9.5 Square Tube
 76x76x9.5 Square Tube
 76x76x6.35 Square Tube
 125x50x4 R.H.S
 51x51x6.35 Square Tube
 51x51x3.2 Square Tube

ANGLES

102x102x9.5
 76x76x9.5
 150x80x6.4
 76x76x6.4
 51x51x6.35
 51x51x4.8
 38x38x6.35
 25x25x3.2

CHANNELS

200mm x 60mm x 9.5
 150x45x9.5
 102x51x6.4
 76x38x6.4
 150x3.2x45x4.8
 63.5x32x4.8
 51x25x4.8

I-BEAMS

200x200x9.5
 150x75x6
 75x3.6x30x2.6
 65x3.6x30x2.6

FRP Handrail System

Manufactured to Australian Standards and the materials conform to Australia quality standards AS1657-1992.



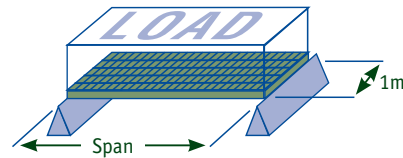
The Fibreglass Guardrails are manufactured using high strength E-glass rovings and a range of premium grade thermosetting resin which is Fire Retardant and U.V. Inhibited. It is Corrosion Resistant, Light Weight, High Strength, Low Conductivity and easy to assemble. Available in safety Yellow colour.

Product Features

- Corrosion Resistance
- Lightweight
- Easy to install
- Cost effective
- Easy maintenance
- Fire retardant & UV inhibited
- Tested in accordance to Australian standards

Uniform Load Deflection

38mm Square Mesh, 25mm Thick



Span mm	Load in Kgs/m ²						
	244	489	977	1466	1955	2444	3665
457	0.66	1.092	1.93	2.769	3.607	4.47	6.579
610	1.118	2.108	4.14	6.172	8.179	10.211	15.256
762	2.667	5.387	10.82	16.281	21.717	--	--
914	5.537	11.176	21.717	--	--	--	--
1067	10.287	20.752	--	--	--	--	--

38mm Square Mesh, 38mm Thick

Span mm	Load in Kgs/m ²						
	244	489	977	1466	1955	2444	3665
305	0.254	0.305	0.381	0.457	0.559	0.635	0.838
610	0.432	0.813	1.549	2.311	3.073	3.8354	5.74
914	1.702	3.454	6.959	10.465	13.97	17.475	--
1067	3.149	6.401	12.903	19.406	--	--	--
1219	5.969	12.167	24.511	--	--	--	--

50mm Square Mesh, 50mm Thick

Span mm	Load in Kgs/m ²						
	244	489	977	1466	1955	2444	3665
305	0.254	0.279	0.33	0.381	0.432	0.483	0.737
610	0.318	0.584	0.965	1.372	1.753	2.134	4.115
914	1.194	2.108	3.937	5.766	7.595	9.449	18.593
1067	1.448	2.997	6.096	9.22	12.344	15.443	--
1219	2.413	4.928	9.957	14.961	19.989	--	--

* All data supplied by manufacturer

Concentrated Line Load Deflection

38mm Square Mesh, 25mm Thick



Span mm	Load in Kgs/m of Width						Break Point
	75	149	298	447	589	745	
457	0.559	1.143	2.159	3.073	4.115	4.75	3910
610	0.864	1.702	3.505	5.156	6.706	8.179	2924
914	2.896	5.918	12.116	18.44	--	--	1948
1067	4.597	9.398	19.253	--	--	--	1617
1219	5.715	11.633	--	--	--	--	1461

38mm Square Mesh, 38mm Thick

Span mm	Load in Kgs/m of Width						Break Point
	75	149	298	447	589	745	
305	0.279	0.356	0.483	0.61	0.762	0.889	17116
610	0.356	0.66	1.245	1.85	2.464	3.073	8718
914	0.864	1.803	3.683	5.563	7.417	9.296	5817
1067	1.397	2.87	5.842	8.814	11.786	14.757	4291
1219	2.261	4.749	9.677	14.63	19.583	--	3755

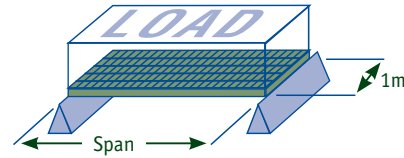
50mm Square Mesh, 50mm Thick

Span mm	Load in Kgs/m of Width						Break Point
	75	149	298	447	589	745	
305	0.279	0.305	0.406	0.483	0.635	1.041	21727
610	0.356	0.580	0.813	1.128	1.753	3.327	11713
914	0.508	1.118	2.235	3.2	5.156	10.058	7780
1067	0.584	1.295	2.718	4.14	6.985	14.122	6636
1219	0.914	1.93	3.937	5.918	9.957	--	5834

Mini Mesh

Uniform Load Deflection

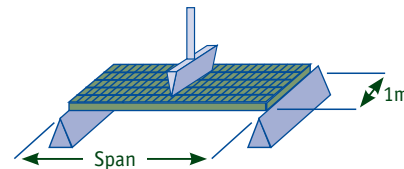
19x19mm Mini Mesh, 38mm Thick



Span mm	Load inKgs/m2				
	244	489	977	1466	1955
305	0.432	0.838	1.676	2.515	3.353
457	0.682	1.372	2.769	4.14	5.537
610	1.067	2.134	4.242	6.375	8.484
762	1.676	3.353	6.706	10.058	13.411
914	2.667	5.354	10.693	16.027	-
1067	4.089	8.179	16.358	-	-
1219	6.274	12.548	-	-	-

Concentrated Line Load Deflection

19x19mm Mini Mesh, 38mm Thick



Span mm	Load in Kgs/m of Width				
	75	149	298	447	596
305	0.33	0.686	1.346	2.057	2.692
457	0.737	1.473	2.946	4.42	5.893
610	0.864	1.702	3.404	5.105	6.807
762	1.068	2.134	4.267	6.401	8.534
914	1.422	2.845	2.108	5.689	8.534
1067	1.88	3.759	7.518	11.278	-
1219	2.515	5.029	10.058	15.087	-



Hole size 12mm x 12mm x 38mm high. Stock items - Off White, Dark Green and Dark Grey. The small hole size



makes this product ideal for balconies and observation decks, especially in high corrosive areas.

FRP Panel Description

Integral, one-piece moulded construction distributes load evenly to bi-directional bearing bars.

Standard Panel Sizes:

- 3660mm x 1220mm
- 2024mm x 1220mm

Weight of Standard Panel:

- 25mm thick 51kg (11.4kg/m²) 3660mm x 1220mm
- 38mm thick 82kg (18.3kg/m²) 3660mm x 1220mm

Grid Sizes:

- 19 x 19 square micromesh - 42% open area
- 38 x 38 square mesh - 70% open area
- 50 x 50 square mesh - 82 % open area

Stock Thicknesses:

- 50mm, 38mm and 25mm. Other sizes available.

Chemical Resistance Guide for FRP Grating. Other test results available on request.

Chemical Environment	Vinyl Ester Resin		Isophthalic Polyester Resin	
	Concentration (%)	Max Oper. Temp. (°C)	Concentration (%)	Max. Oper. temp. (°C)
Hydrochloric Acid	37	65	37	24
Sulfuric Acid	75	99	25	24
Nitric Acid	20	99	20	21
Phosphoric Acid	100	99	100	49
Hydrobromic Acid	50	99	100	66
Tartaric Acid	All	99	All	77
Lactic Acid	All	99	All	77
Oxalic Acid	All	99	All	24
Borax	Sat	99	Sat	77
Citric Acid	All	99	All	77
Acetic Acid	50	82	50	52
Benzoic Acid	Sat	99	Sat	66
Methacrylic Acid	99	35	-	-
Hydrofluoric Acid	10	65	-	-
Ferric Chloride	All	93	All	32
Sodium Sulfate	All	99	All	77
Ammonium Chloride	All	99	All	77
Magnesium Sulfate	All	99	All	77
Potassium Nitrate	All	99	All	77
Sodium Cyanide	All	99	All	77
Sodium Hydroxide	25	82	N/R	-
Calcium Carbonate	All	82	All	77
Carbon Tetrachloride	All	99	All	82
Formaldehyde	All	99	All	77
Methanol	10	84	N/R	-
Ethanol	All	99	All	77
Gasoline	All	65	50	24
Benzene	Thick	40	N/R	-
Glycerine	100	99	100	77
Water Distilled	100	82	100	77
Sea Water	All	99	All	70
Glucose	100	99	100	77
Vinegar	100	99	100	77
Chlorine Water	All	99	All	60

1. Resin manufacturers have provided test data which indicates that the resin can withstand the corrosion conditions listed above. No guarantee is expressed, and the corrosion resistance data listed above is for general information only.

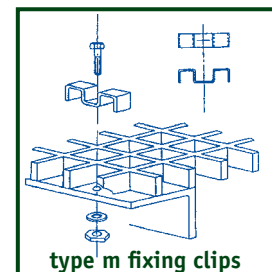
Two Resin Systems:

Type 'I' uses Isophthalic polyester resin with Class 1 flame spread rating of 25 or less, while providing excellent corrosion resistance over a broad range of chemicals. Operating temperature range -50°C to 105°C.

Type 'V' uses Vinyl Ester resin base with Class 1 flame spread rating of 10 or less, providing superior corrosion resistance to acidic environments and moderate resistance to caustic and solvent applications. Operating temperature range -50°C to 110°C.

Optional colours are available on request.

Installation and Fixing



Testing for specific environments is recommended.

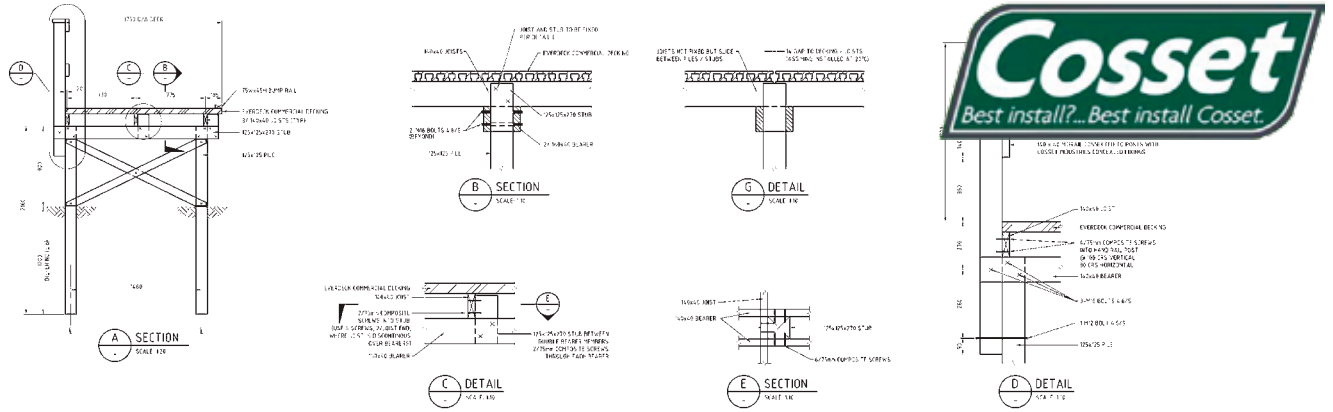
2. All refers to All concentration, Sat refers to saturated solution and N/R means not recommended or no information is available.

Recycled Wood Plastic Composite

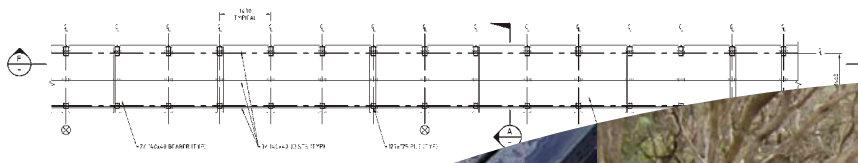
Engineering structural drawings available

Recycled Wood Plastic Composite has timber like strength, but is made of recycled plastic and waste wood. It's highly resistant to moisture, termites and white ants. It won't rot like timber, rust like steel or crumble

like concrete, and will remain looking as good as it does on day one, for the life of your project. It requires no maintenance other than regular cleaning. Reduce landfill whilst installing a superior system!



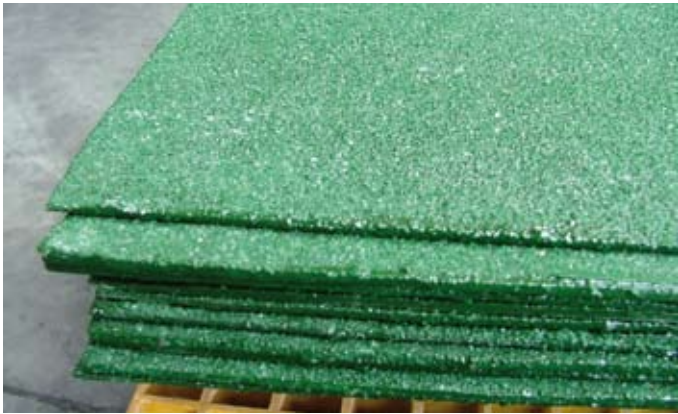
© Cosset Industries Australia Pty Ltd - not for construction



FRP Safety Range

Excellent grip, non corrosive, light weight

All products contain Fire Retardants and UV Inhibitors.



4mm Gritted Flat Sheet

4mm thick - gritted. Sheet size 3660mm x 1220mm. Stock colours - Dark Green, Dark Grey and Yellow. Ideal for corrosive environments - fix to surfaces that need grip. Can be easily cut to size.



FRP - Stair Tread Nosing

80mm x 25mm gritted angle. Stock colour - Yellow and Black. Other colours available. Designed for a non slip and highly visible stair tread nosing.



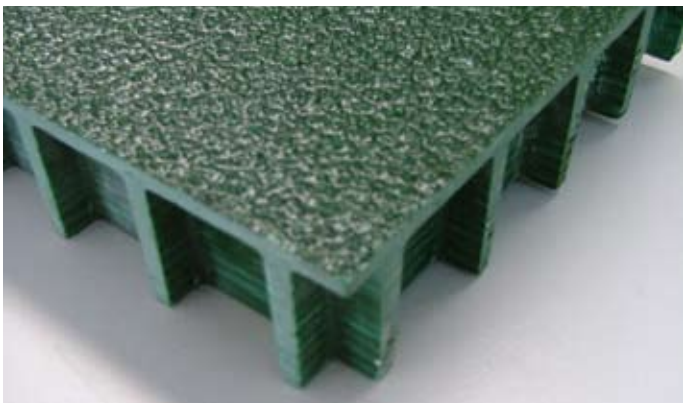
4mm Thick Perforated Flat Sheet

Sheet size 3660mm x 1220mm. Stock colour Dark Grey. Other colours available. Ideal for non slip wet areas.



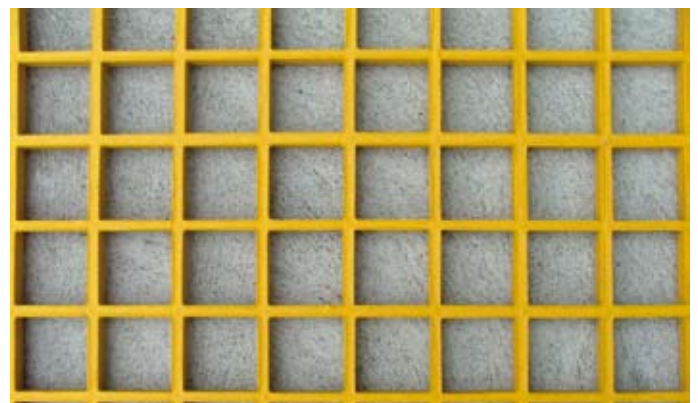
FRP - Ladder Rung Non Slip Cover

25mm channel - Yellow Gritted. Designed to fit over existing ladder rungs with a non slip surface and highly visible.



FRP - Solid Top Panels

3660 x 1220mm x 40mm thick. Stock items - Dark Green and Dark Grey. Other colours available. A very strong product. Ideal for pit covers.



FRP - Machine Guard

38mm x 38mm x 14mm high. Non gritted. Stock items - Yellow, Dark Green. Ideal for Salt water and Corrosive Environments. Ideal for Marine Fish Dividers.

Fibreglass Reinforced Plastic Grating

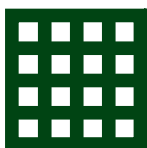
Corrosion Resistant
Fire Resistant

Non-Sparking
Non-Conductive

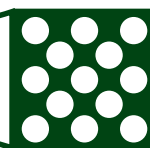
Non-Magnetic
Low Thermal Conductivity



Applications: Marine service, Sewage Treatment Plants, Petrol Refineries, Chemical Plants, Pulp Mills, Mining, Industrial Sites, Public Walkways, Roof Access Walkways and many more.



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