

EnviroWalk Pty Ltd

Suppliers of Fibreglass Grating and Profiles

ABN: 29 141844671

Phone: 61 (0)2 42 741 563 or 61 (0)2 42 749 888

Mobile: 0410 568 192

FRP PRODUCT APPLICATIONS

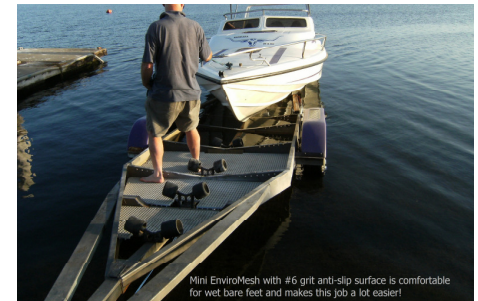
Mini & Micro **EnviroMesh** Walkways in Parks & Reserves – Decking - Jetties, Gangways & Pontoons – **EnviroGrate** Rooftop access & Service Walkways - Work Platforms - Disability Access Ramps - Conveyor walkways - Bridges - Decking - Pit Covers - Ramps - Screens – **EnviroTread** step treads & Safety Products.



PRODUCT GUIDE WITH CASE STUDIES

Envirowalk is now recognized as one of the leading suppliers of FRP Products throughout Australia with
BEST QUALITY + BEST PRICE + BEST SERVICE

Some of our MOST NOTABLE CUSTOMERS are: Coffs Harbour City Council, Gosford City Council, Orange City Council, Bega Valley Shire Council, National Parks (Per State Departments of Environment throughout Australia), The Sydney Desalination Facility and the Munitions Plant at Mulwala, NSW



For all technical data and a tour of recent projects please visit our web site www.envirowalkgrating.com

There are 4 page to access: HOME – PRODUCTS – TECHNICAL INFORMATION – RECENT PROJECTS where you will find all the information you need regarding **EnviroMesh**, **EnviroGrate** and **EnviroTread** step treads and safety products.

LOAD TABLES: MOULDED GRATING

FRP MOULDED GRATING						
UNIFORM LOAD TABLE Kpa:			(Deflection in mm)			
SPAN Ctr-Ctr	MESH SIZE	HEIGHT	2.5 Kpa	4.0 Kpa	5.0 Kpa	7.5 Kpa
610	Mini-Mesh 20x20/40x40	22	1.80	2.80	3.20	4.90
	38 x 38 Square Mesh	25	1.27	2.04	2.55	3.83
	Rectangular Mesh	25	0.9	1.35	1.62	2.43
	Mini-Mesh 20x20/40x40	30	0.65	1.05	1.35	2.15
	38 x 38 Square Mesh	38	0.45	0.57	0.82	1.22
	Mini-Mesh 20x20/40x40	40	0.39	0.50	0.68	1.14
	50.7 x 50.7 Square Mesh	50.8	0.20	0.33	0.41	0.61
750	38 x 38 Square Mesh	25	3.02	4.70	6.07	9.11
	Rectangular Mesh	25	2.10	3.40	4.20	4.90
	38 x 38 Square Mesh	30	1.40	2.60	3.90	4.50
	Mini-Mesh 20x20/40x40	30	1.34	1.92	3.20	4.15
	38 x 38 Square Mesh	38	1.00	1.40	2.25	3.00
	Mini-Mesh 20x20/40x40	40	0.95	1.35	2.12	2.80
	50.7 x 50.7 Square Mesh	50.8	0.65	0.90	1.30	1.80
914	Mini-Mesh 20x20/40x40	30	3.22	-	-	-
	38 x 38 Square Mesh	38	1.75	2.61	3.65	5.28
	Mini-Mesh 20x20/40x40	40	1.40	2.40	2.80	4.20
	50.7 x 50.7 Square Mesh	50.8	0.91	1.45	1.82	2.73
1000	38 x 38 Square Mesh	38	2.45	3.80	4.80	-
	Mini-Mesh 20x20/40x40	40	2.02	3.23	4.10	-
	50.7 x 50.7 Square Mesh	50.8	1.37	2.19	2.73	4.10
1219	50.7 x 50.7 Square Mesh	50.8	2.81	4.49	-	-

CONCENTRATED POINT LOAD TABLE Kgs: (Deflection in mm)								
SPAN Ctr-C	MESH SIZE	HEIGHT	200	400	600	800	1000	1500
457	Mini-Mesh 20x20/40x40	22	2.20	4.20	-	-	-	-
	38 x 38 Square Mesh	25	1.75	3.35	5.01	6.70	8.24	-
	Rectangular Mesh	25	1.45	2.72	3.85	5.15	6.50	-
	Mini-Mesh 20x20/40x40	30	1.25	2.70	3.90	5.20	6.50	-
	38 x 38 Square Mesh	38	0.7	1.20	1.78	2.30	2.90	4.10
	Mini-Mesh 20x20/40x40	40	0.65	1.14	1.71	2.25	2.80	4.15
	50.7 x 50.7 Square Mesh	50.8	0.41	0.72	1.02	1.28	1.70	2.30
610	Mini-Mesh 20x20/40x40	22	4.50	-	-	-	-	-
	38 x 38 Square Mesh	25	3.63	-	-	-	-	-
	Rectangular Mesh	25	2.94	-	-	-	-	-
	Mini-Mesh 20x20/40x40	30	2.05	4.07	-	-	-	-
	38 x 38 Square Mesh	38	1.25	2.29	3.05	4.19	5.00	7.60
	Mini-Mesh 20x20/40x40	40	0.99	1.88	2.84	3.82	4.30	6.48
	50.7 x 50.7 Square Mesh	50.8	0.58	1.10	1.57	2.08	2.70	3.95
750	Rectangular Mesh	25	5.85	-	-	-	-	-
	38 x 38 Square Mesh	30	4.15	-	-	-	-	-
	Mini-Mesh 20x20/40x40	30	3.92	-	-	-	-	-
	38 x 38 Square Mesh	38	2.15	4.30	6.21	-	-	-
	Mini-Mesh	40	1.91	3.72	5.58	-	-	-
	50.7 x 50.7 Square Mesh	50.8	1.31	2.55	3.85	-	-	-
914	Mini-Mesh 20x20/40x40	30	5.21	-	-	-	-	-
	38 x 38 Square Mesh	38	2.63	5.61	-	-	-	-
	Mini-Mesh 20x20/40x40	40	2.42	4.83	-	-	-	-
	50.7 x 50.7 Square Mesh	50.8	1.41	2.72	4.20	5.82	6.95	10.42
1000	38 x 38 Square Mesh	38	3.55	-	-	-	-	-
	Mini-Mesh 20x20/40x40	40	3.35	6.05	-	-	-	-
	50.7 x 50.7 Square Mesh	50.8	1.98	3.35	4.98	-	-	-
1219	50.7 x 50.7 Square Mesh	50.8	2.65	5.45	-	-	-	-

Corrosion Resistance Guide for Moulded Grating

RESIN:	Type V		Type I		Type O	
Chemical Type	Concentration %	Temperature F/°C	Concentration %	Temperature F/°C	Concentration %	Temperature F/°C
Acetic Acid	50	180/82	50	125/52	5	77/25
Aluminium Hydroxide	100	180/82	100	160/71	ALL	-
Ammonium Chloride	ALL	210/99	ALL	170/77	ALL	-
Ammonium Bicarbonate	50	160/70	15	125/52	ALL	-
Methacrylic Acid	99	95/35	-	-	-	-
Ammonium Hydroxide	28	100/38	28	N/R	ALL	N/R
Ammonium Sulphate	ALL	210/99	ALL	170/77	ALL	-
Benzene	100	92/40	ALL	N/R	ALL	N/R
Benzoic Acid	SAT	210/99	SAT	150/66	ALL	77/25
Borax	SAT	210/99	SAT	170/77	SAT	113/45
Calcium Carbide	ALL	180/82	ALL	170/77	ALL	-
Calcium Nitrate	ALL	210/99	ALL	180/82	ALL	-
Carbon Tetrachloride	100	92/40	100	N/R	100	N/R
Chlorine, Dry Gas	-	210/99	-	140/60	-	N/R
Chlorine Water	SAT	200/93	SAT	80/27	SAT	N/R
Chromic Acid	10	150/65	5	70/21	5	N/R
Citric Acid	ALL	210/99	ALL	170/77	ALL	77/25
Calcium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Copper Cyanide	ALL	210/99	ALL	170/77	ALL	77/25
Copper Nitrate	ALL	210/99	ALL	170/77	ALL	-
Ethanol	10	155/82	50	75/24	10	77/25
Ethylene Glycol	100	200/93	100	90/32	100	104/40
Hydrofluoric Acid	10	149/65	-	-	-	-
Ferric Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Ferrous Chloride	ALL	210/99	ALL	170/77	ALL	86/30
Formaldehyde	37	140/60	50	75/24	25	86/30
Gasoline	100	180/82	100	75/24	100	95/35
Glucose	100	210/99	100	170/77	ALL	-
Glycerine	100	210/99	100	150/66	100	-
Hydrobromic Acid	50	150/65	50	120/49	18	-
Hydrochloric Acid	37	150/65	37	75/24	10	86/30
Hydrogen Peroxide	30	150/65	5	100/38	5	N/R
Lactic Acid	ALL	210/99	ALL	170/77	ALL	77/25
Lithium Chloride	SAT	210/99	SAT	150/66	ALL	-
Magnesium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Magnesium Nitrate	ALL	210/99	ALL	140/60	ALL	86/30
Magnesium Sulphate	ALL	210/99	ALL	170/77	ALL	104/40
Mercuric Chloride	100	210/99	100	150/66	100	104/40
Mercurous Chloride	ALL	210/99	ALL	140/60	ALL	104/40
Nickel Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Nickel Sulphate	ALL	210/99	ALL	170/77	ALL	104/40
Nitric Acid	20	130/54	20	70/21	20	N/R
Oxalic Acid	ALL	210/99	ALL	75/24	ALL	N/R
Perchloric Acid	30	100/38	10	N/R	10	N/R
Phosphoric Acid	100	210/99	100	120/49	80	N/R
Potassium Chloride	ALL	210/99	ALL	170/77	ALL	104/40
Potassium Dichromate	ALL	210/99	ALL	170/77	ALL	77/25
Potassium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Potassium Sulphate	ALL	210/99	ALL	170/77	ALL	104/40
Propylene Glycol	ALL	210/99	ALL	170/77	ALL	104/40
Sodium Acetate	ALL	210/99	ALL	160/71	ALL	104/40
Sodium Bisulphate	ALL	210/99	ALL	170/77	ALL	-
Sodium Bromide	ALL	210/99	ALL	170/77	5	-
Sodium Cyanide	ALL	210/99	ALL	170/77	5	N/R
Sodium Hydroxide	25	180/82	N/R	N/R	N/R	N/R
Sodium Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Sodium Sulphate	ALL	210/99	ALL	170/77	ALL	104/40
Stannic Chloride	ALL	210/99	ALL	160/71	ALL	104/40
Sulphuric Acid	50	183/80	25	75/24	10	-
Tartaric Acid	ALL	210/99	ALL	170/77	ALL	-
Vinegar	100	210/99	100	170/77	ALL	-
Methanol	10	183/84	N/R	N/R	N/R	N/R
Sea Water	ALL	210/99	ALL	158/70	ALL	113/45
Zinc Nitrate	ALL	210/99	ALL	170/77	ALL	104/40
Zinc Sulphate	ALL	210/99	ALL	170/77	ALL	104/40

Remarks:

1. **ALL** refers to any concentration,

SAT refers to saturated solution,

N/R means not recommended and "C" means no information is available.

2. Tests from resin manufacturers and experiences indicate that the resin can withstand the corrosion conditions listed above. And the corrosion resistance data listed above is just for reference since the real environments are beyond control.

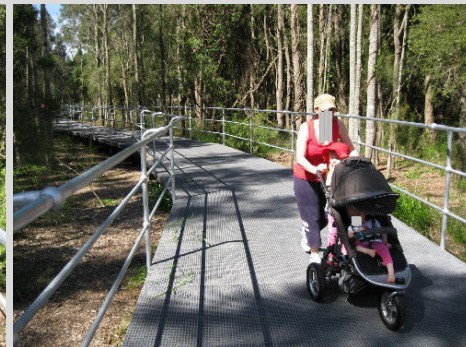
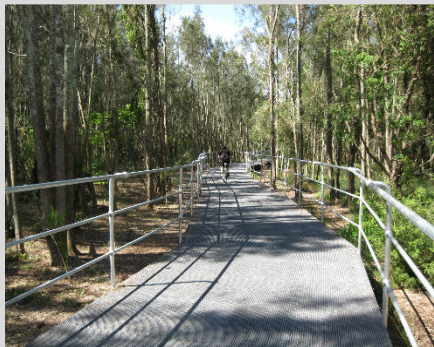
3. If products are used in other environments not mentioned above, please contact us.

CENTRAL COAST

Envirowalk Grating has been supplying our FRP **EnviroMesh** & **EnviroTreads** for many projects throughout the Central Coast of NSW coast since 2009.

Central Coast Council (Previously Gosford City Council) has maintained confidence in Envirowalk quality and service for many years and still continues to do so: The Photos at right show the Davistown shared walkway 3 metres wide x 550 metres long - just one of several major projects where Council has successfully used **Envirowalk Mini EnviroMesh** panels and our **EnviroTread** stairs and other **EnviroTread** Safety products.

The Woy Woy elevated track (Bottom right) is another large project employing **Envirowalk** products but there have been countless other smaller projects such as the small Council jetty (bottom left) where Council have trusted consultations with **Envirowalk** and used our products



All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres & fine grit P5 rated anti-slip surface.

Envirowalk PRODUCTS USED:

H30 (30mm thick) Mini and Micro **EnviroMesh** panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

H40 (30mm thick) Mini and Micro **EnviroTread** steps and custom safety landing panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com

Web: www.envirowalkgrating.com

COFFS HARBOUR

Envirowalk Grating has been supplying our FRP Grating & **EnviroTreads** for countless projects throughout this amazing part of the NSW coast since 2008. The following Photos reveal just a few of these.

To meet the need for a combination of P5 anti-slip and comfort for wet bare feet Envirowalk Mini & Micro **EnviroMesh** panels and **EnviroTreads** were used for beach access and surf lifesaver viewing platforms. The fine barefoot friendly grit surface also reduces the risk of abrasions should a child run and fall on it.

EnviroGrate 38x38 grid has been used for most forest type locations such as the Coastal bush walk at right.

To create maximum longevity for facilities, all Envirowalk FRP **Grating products** are manufactured using only premium grade, unblended Type I (Iso) resin with ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.



Coffs Harbour City Council continue to buy and trust Envirowalk high quality FRP products.

Envirowalk PRODUCTS USED:

H30 (30mm thick) Mini and Micro EnviroMesh panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

H40 (30mm thick) Mini and Micro EnviroTread steps and landing panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

**13 Katrina St
Lake Heights
NSW
AUSTRALIA**

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com

SHOALHAVEN REGION

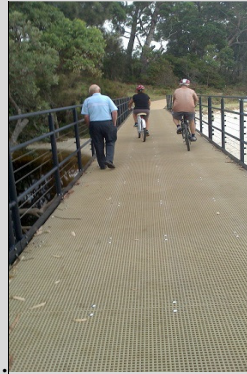
4 CASE STUDIES

CASE STUDY [1]: Photo 1: A bridge near the Vincentia boat ramp built by Wardrope & Carroll using H30 (30mm thick) Envirowalk Sand Yellow Mini **EnviroMesh** Premium grade type I (Iso) resin with grit anti-slip surface. More than 10 years after install and the Mini **EnviroMesh** still looks great and retains the P5 anti-slip rating.

CASE STUDY [2]: Photos 2 & 3: The Vincentia Elevated walkway where the initial bulk of the FRP products were supplied by a different Australian supplier: *This structure is an excellent example of why Buyers should take care with from whom they source their materials:* The problems encountered were: [a] The initial supplier ignored original specifications for the structural items to be coated with polyurethane or similar protective coating. This has resulted in [i] early deterioration of the structural members where small spiral type cracks have appeared along the corners of the SHS (refer photos 4 & 5). [ii] Several sections have been eroded by the elements to the degree where the glass fibres beneath the resin are now exposed (Refer photo 6) [iii] unwanted fading (*This can be noted especially in photo 2 where the correctly coated supports supplied in the latter stages by Envirowalk are significantly darker than the original - These photos were taken some 3 years after construction.*) Photo 7 reveals delamination blisters on some of the structural channel initially supplied by the original supplier. Photos 8 & 9 indicate low quality production methods where the surface veil has been distorted during the molding process and even folded back on itself. The project manager was so frustrated by the low quality product and poor service from the original supplier that he contacted Envirowalk and ordered 12 panels of the Sand Yellow Mini **EnviroMesh**, 495 lineal metres of the Structural Channel and 30 metres of the SHS - *all of which were supplied with the specified protective PU coating and all of which have remained in pristine condition with photos taken more than 5 years after install.* The photos clearly show the difference.

CASE STUDY [3]: LAKE CONJOLA NSW:

A 410 metre elevated boardwalk where all structural members, Envirowalk Mini **EnviroMesh** & H40 Mini-Mesh **EnviroTreads** were supplied by Envirowalk as per the full specifications with protective PU coating on all structural and handrail members. All Mini **EnviroMesh** & **EnviroTreads** manufactured only with pure, unblended, premium grade Type I (Iso) resin with a fine grit P5 rated anti-slip surface. NB: Photos 10, 11 & 12 were taken some 5 years after install and there has been no deterioration of either the structural members or the decking.



1.

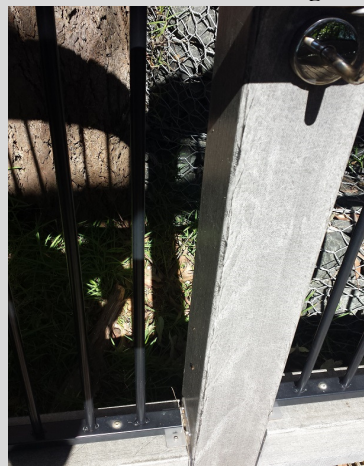


2.



3.

Photos 4 & 5 below reveal significant signs of cracking & deterioration



4.



5.

Photo 6 below showing where deterioration has exposed glass fibres.



6.



7.



8.



9.

12.



10.



11.

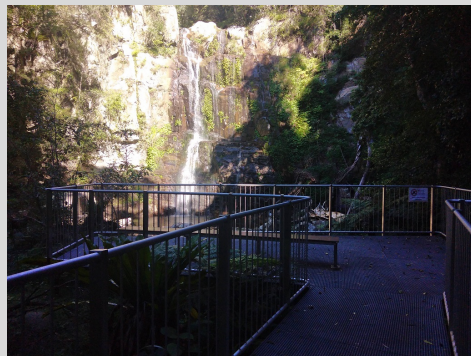


CASE STUDY [4]:

MINNAMURRA RAINFOREST NSW:

Our very first customer in 2007 and it is still going as they change sections of the layout! At the time we were invited to supply there was only one small viewing platform and about 100-150 metres of walkway refurbished but there are now approximately 4 kms of Envirowalk H30 Mini **EnviroMesh** dark grey/charcoal with fine grit anti-slip surface. The track has spectacular elevated sections and viewing platforms along the loop walk and the track branching up to the Falls. It is a long up-hill walk on the way out but it is well worth it. Take a cut lunch and have a couple of relaxing stops at some of the viewing platforms!

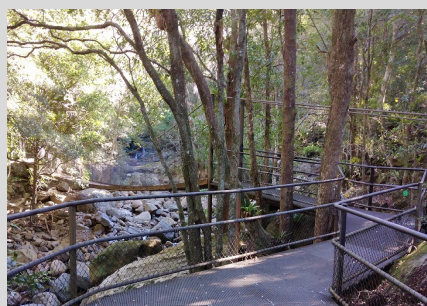
This is one trail that should be on everybody's 'Bucket List'!!



Take a seat & relax at the Falls!



Enjoy the view!



The swing bridge is great & the views from the walkway brilliant!

All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

Envirowalk PRODUCTS IN POPULAR USE:

H30 (30mm thick) Mini and Micro **EnviroMesh** with custom made **EnviroTread** Landing panels and stepdowns
All with Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com

MALLACOOTA 2020

Envirowalk was contracted to supply our FRP Mini **EnviroMesh** panels and Mini-Mesh **EnviroTreads** for this project in beautiful Mallacoota as part of the 2019-2020 Bushfire recovery program.



Despite the beauty of the surrounds and glorious views, the coastal environment is one of the harshest and most challenging and it is crucial to install products that will endure for decades yet have high anti-slip while still remaining comfortable for bare feet and safe against the risk of serious abrasions to young children who might run and fall over.

To meet these challenges, all Envirowalk FRP **EnviroMesh** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin with ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

This combination of raw materials is essential for outdoor applications – especially in a coastal environment.

Envirowalk PRODUCTS USED:

H30 (30mm thick) Mini **EnviroMesh** Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

H40 (40mm thick) Custom made Mini-Mesh **EnviroTread** Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface with pultruded angle anti-slip safety nosing bonded into leading edge.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com

MERIMBULA 2020

Envirowalk was contracted to supply our FRP Mini **EnviroMesh** panels and Mini **EnviroMesh EnviroTread** Landing panels for this project in beautiful Merimbula on the Sapphire Coast of NSW. All Mini Mesh and **EnviroTread** panels are manufactured using only premium grade, unblended Type I (Iso) resin with FR, best quality E-Glass fibre, anti-UV and fine carborundum grit anti-slip surface.



Even in this idyllic location with glorious views the coastal environment is extremely harsh on most building materials. The challenge is to install products that will endure for decades yet have high anti-slip while still remaining comfortable for bare feet and safe against the risk of serious abrasions to young children who might run and fall over.

To meet these challenges, all Envirowalk FRP **EnviroMesh** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin with ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

This combination of raw materials is essential for outdoor applications – especially in a coastal environment.

Envirowalk PRODUCTS USED:

H40 (40mm thick) Mini-**EnviroMesh** Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

H40 (40mm thick) Custom made Mini-Mesh **EnviroTread** Landing panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface with pultruded angle anti-slip safety nosing bonded into leading edge

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com

Web: www.envirowalkgrating.com

LAKE THETIS W.A.

This boardwalk designed and constructed by the Department of Environment and Conservation, Western Australia.

The walkway is an excellent example of how Standard 38x38 grid **EnviroGrate** 38x38 and **EnviroCT** cover top grating can be integrated to form sweeping, aesthetically pleasing curves in an artistic design that complements the natural surrounds of the lake.

The cover top grating was cut with slight angles to provide clean lines while promoting the turns in the deck.

Our **EnviroTread** Custom design landing panels were used at access points.

The dark grey blends calmly with the terrain and does not detract from the view but somehow enhances it, inviting you to explore the distant surrounds.

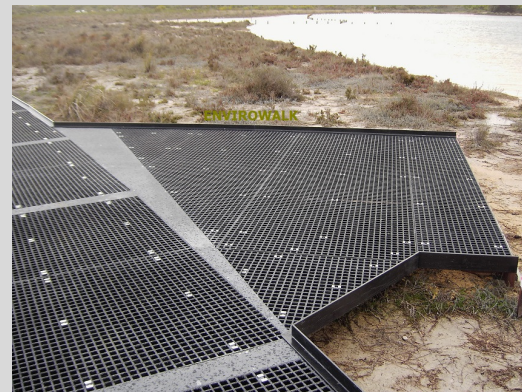
This is an excellent blend of nature and contemporary products and the rainbow is a fitting compliment from Mother Nature!

This is just one of numerous projects where **Envirowalk** high quality FRP products have been used in Western Australia.

Our **EnviroTread** F-kick rail had been designed specifically for this project but poor installation methods and lack of protective PU coating (despite our recommendations) resulted in this degrading rapidly.

We now use the photo of the F-kick rail at right to impress upon our structural customers the need to provide protective coating on all pultruded profiles. Poor installation method resulted in cracking along the elbow making the profile more vulnerable to degradation and 'blooming' where the glass fibres are exposed. With PU coating and correct installation methods the degradation could have been avoided.

All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.



Envirowalk PRODUCTS USED:

H30 (30mm thick) 38x38 grid **EnviroGrate** and **EnviroTread** Landing panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

H25+5 (30mm thick) **EnviroCT** panels Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

EnviroTread pultruded F-Kick rail – The customer rejection of the cost of for the protective coating causing this to fail.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com

Web: www.envirowalkgrating.com

PRIVATE JETTIES & PONTOONS

Mini and Micro **EnviroMesh** FRP are rapidly increasing in popularity for jetties & pontoons.

The challenges with private jetties and pontoons are as follows:

1. Provide a deck and steps with long lasting P5 rated anti-slip balanced with comfort for wet bare feet and minimal risk of skin abrasions in the event of falls.

2. Provide a decking and/or structural product that will endure harsh salt water environments. Type resin for grating is essential. Type I or VE resin with PU coating a must for structural

3. Be aware of the minimum amount of light penetration allowed by Fisheries in relation to the growth of river grasses where construction of a jetty is changing its footprint. (Mini **EnviroMesh** with 42% is usually permitted but, where only the deck is being replaced the 33% of the Micro **EnviroMesh** is usually accepted.)



All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

Envirowalk PRODUCTS IN POPULAR USE:

H30 (30mm thick) Mini and Micro **EnviroMesh** with custom made **EnviroTread** Landing panels and stepdowns
All with Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com

PUBLIC JETTIES & PONTOONS

Mini and Micro **EnviroMesh** FRP are rapidly increasing in popularity for commercial and public jetties & pontoons.

The challenges with all jetties and pontoons are as follows:

1. Provide a deck and steps with long lasting P5 anti-slip balanced with comfort for wet bare feet and minimal risk of skin abrasions in the event of falls.

2. Provide a decking and/or structural product that will endure harsh salt water environments. Type resin for grating is essential. Type I or VE resin with PU coating a must for structural

3. Even for commercial/public jetties it is important to be aware of the minimum amount of light penetration allowed by Fisheries in relation to the growth of river grasses where construction of a jetty is changing its footprint. (Mini **EnviroMesh** with 42% is usually permitted but, where there is a requirement for heel-proof openings the Micro **EnviroMesh** with 33% light penetration is usually specified.)



EnviroTread custom safety Landing panels Darling Harbour, Sydney



EnviroGrate H50 Heavy Duty 38x38 grid with 11mm thick load bars & 27x27 openings to withstand strong ocean surge, BUSSELTON



Red/brown H30 Mini **EnviroMesh** to blend with the surrounding land

All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

Envirowalk PRODUCTS IN POPULAR USE:

H30 (30mm thick) Mini and Micro **EnviroMesh** with custom made **EnviroTread** Landing panels and step-downs
All with Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com

RESIDENTIAL DECKS

A LITTLE BIT OF IMAGINATION!!!

This home owner has created a visual masterpiece with **EnviroTread** Custom made panels and landings.

Using premium grade unblended Type I (Iso) resin, high anti-UV and fine, barefoot friendly grit anti-slip surface the aesthetic appearance should last for decades!!

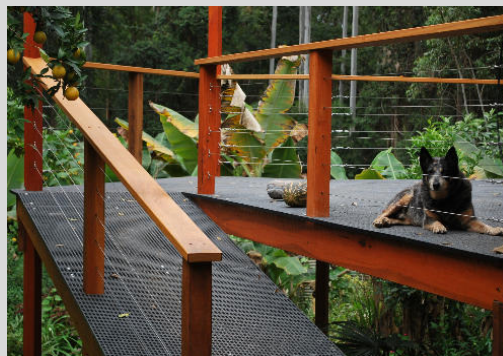
It must be so great to relax in the living area and gaze out at the landscaped yard!



A Beautiful blend of contemporary & traditional!

This Private residential decking in the Coffs Harbour region is a wonderful tribute to the blend of FRP Mini **EnviroMesh**, Timber & Stainless Steel wire rails.

The Charcoal Grey (Officially RAL Black Grey) blends perfectly with the forest surrounds – No wonder it is the preferred choice by the National Parks throughout the country and used in such places as Minnamurra Rainforest (Illawarra region) and Sea Acres Rain Forest (Port Macquarie)



All **Envirowalk** FRP **EnviroMesh**, **EnviroGrate** and **EnviroTreads** are manufactured using only premium grade, unblended Type I (Iso) resin, ATH filler, maximum anti-UV, E-Glass fibres and fine grit P5 rated anti-slip surface.

Envirowalk PRODUCTS USED:

H22 (22mm thick) Mini **EnviroMesh** with custom made **EnviroTread** step-down.

All with Type I resin, 10g UV9, ATH filler, E-Glass fibres with fine carborundum barefoot friendly grit anti-slip surface.

Envirowalk Pty Ltd ABN: 29 141844671

13 Katrina St
Lake Heights
NSW
AUSTRALIA

Phone 1: 61 (0)2 42 741 563

Phone 2: 61 (0)2 42 749 888

email: envirowalk@bigpond.com
Web: www.envirowalkgrating.com