

Project Challenges

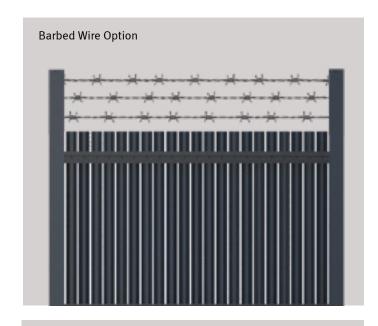
- Major concern on electrical conductivity of the fence due to the proximity to the electrified railway line.
- Required material that was transparent to radio frequency.
- Corrosion issues due to the exposed nature of the site.
- Reduce the need for maintenance.

PROJECT INFORMATION				
Project Category:	ArchitEX® FRP Structural Products			
Scope of Work:	Fence system at substation			
Treadwell Products:	SecurEX® FRP Fence System			
Value:	\$ 85,000			

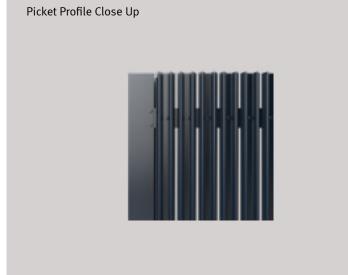




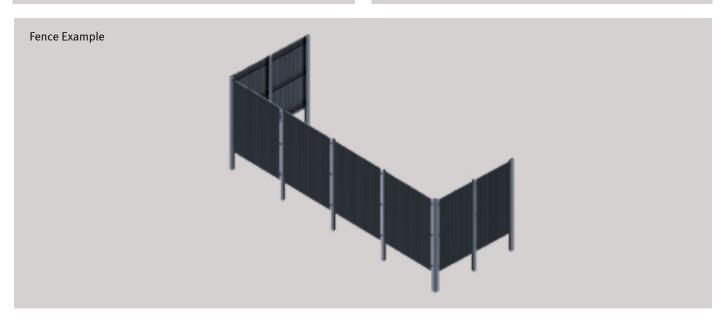
SecurEX® - Fence System Overview













SecurEX® - Fence System Overview

SecurEX® is an excellent investment suited to a large range of sectors, spanning from commercial to residential projects, the light weight, ease of installation and lack of maintenance characteristics are highly viewed.

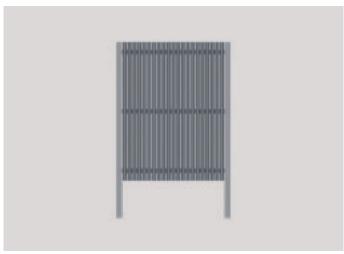
The communications, energy and transport sectors make particular use of it due to its requirement for materials with substantial electrical insulation properties. The non-conductive nature of FRP makes it ideal for applications where power, magnetic fields and RF transmission are also sensitive considerations.

Further, applications for SecurEX® FRP Fencing Systems, like all our gratings, can be applied in areas where corrosion exists (e.g. the naval and offshore sectors) or to reduce fire risks (low smoke emissions).

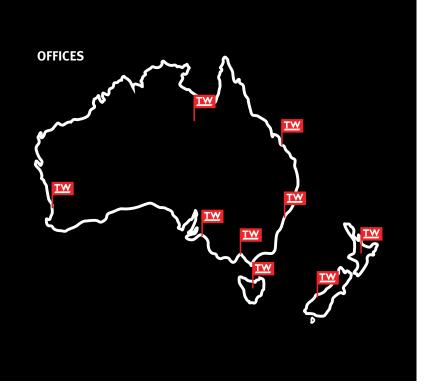
ELECTRICAL PROPERTIES	ASTM	UNITS	VALUE	UNITS	VALUE
Arc Resistance, LW	D - 495	seconds	120	seconds	120
Dielectric Strength, LW	D - 149	kv. / in.	35	kv. / in.	1.37
Dielectric Strength, PF	D - 149	volts / mil.	200	volts / mil.	200
Dielectric Constant, PF	D - 150	@60hz	5	@60hz	5











ABOUT TREADWELL

At Treadwell Group, our core business divisions have been develoaped utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure, marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

Australia

SOUTH AUSTRALIA

► ADELAIDE (HEAD OFFICE & WAREHOUSE) ► MELBOURNE (DISTRIBUTION CENTRE) 58 DEEDS ROAD NORTH PLYMPTON, SA 5037

STRATHALBYN (FACTORY & WAREHOUSE)

22 DUNREATH ROAD STRATHALBYN, SA 5255

NEW SOUTH WALES

SYDNEY (DISTRIBUTION CENTRE)

2 COAL PIER ROAD BANKSMEADOW, NSW 2109

SYDNEY (OFFICE)

LEVEL 6, 10 HERB ELLIOT AVENUE SYDNEY OLYMPIC PARK, NSW 2127

WAGGA(OFFICE)

BALL PL

EAST WAGGA WAGGA, NSW 2650

VICTORIA

107 GATEWAY BOULEVARD EPPING, VIC 3076

QUEENSLAND

BRISBANE (DISTRIBUTION CENTRE)

4 HOWARD SMITH DRIVE PORT OF BRISBANE, QLD 4178

WESTERN AUSTRALIA

PERTH (OFFICE & WAREHOUSE)

4 ELMSFIELD ROAD MIDVALE, WA 6056

TASMANIA

BURNIE (DISTRIBUTION CENTRE)

8 RIVER ROAD WIVENHOE, TAS 7320

New Zealand

NORTH ISLAND

AUCKLAND (OFFICE)

40 ONEHUNGA MALL ONEHUNGA, AUCKLAND 1061

SOUTH ISLAND

GREYMOUTH (OFFICE)

10 CHESTERFIELD STREET, BLAKETOWN **GREYMOUTH 7805**

Australia

P 1800 246 800 F 1300 763 521

sales@treadwellgroup.com.au treadwellgroup.com.au

New Zealand

P 0800 246 600 F 0800 244 600

sales@treadwellgroup.co.nz

treadwellgroup.co.nz