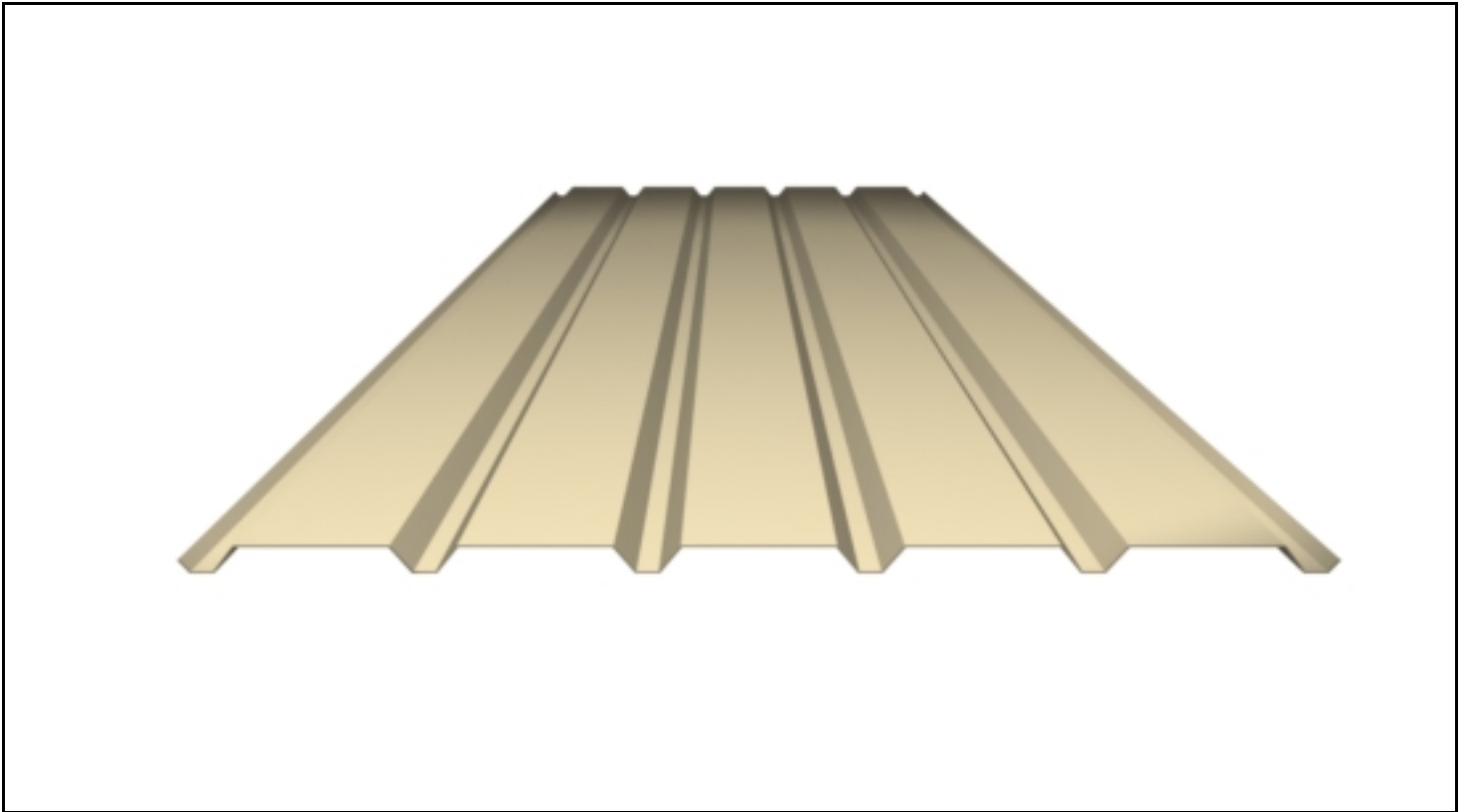




Fiberglass Corrugated Roofing Panels

This is our high-quality opaque corrugated panels made of Fiberglass Reinforced Plastics (FRP)



Ideal for desalination plants & buildings near the seashore!

Technical drawing showing the **CORRUGATION PROFILE** and a **PERSPECTIVE VIEW** of the fiberglass corrugated roofing panel. The profile includes dimensions: 16t, 4t, 2t, 12t, 3.1, and 10t. The perspective view shows the panel's depth and the curvature of the ridges.

 AL-WATANI FACTORY FOR FIBER GLASS CO. P.O. Box 29947 - Safat 13130 - Kuwait			
DRAWING TITLE GRP CORRUGATED SHEETS / 1000mm x 3500mm 4mm THK			
			
CHECKED BY:	APPROVED BY:	Sheet No:	Revision No:
DRAWING No:	Drawn by: <i>hjq</i>		

PRODUCT INFORMATION

Four important factors to consider when choosing fiberglass corrugated roofing panels are RESIN GRADE, SURFACE QUALITY, CORRUGATION CONFIGURATION, and WEIGHT OF REINFORCEMENT. We have a complete range of these ...

POLYESTER GRADE

Depending on the fire-prevention requirements set out in the Product Standard, the panels can be made of various types of polyester resin systems.

GRADE FR635

Fire-resistance grade that complies with the self-extinguishing properties required by ASTM D 635. Corrugated panels are marked with black threads.

GRADE FN

This is the normal grade without the fire-resistance properties.

COLOURED PANELS

Coloured panels can also be produced at our plant.

PROFILE CONFIGURATION

FRP Corrugated Sheets comes in standard corrugations profile. It can also be ordered on a customized basis.

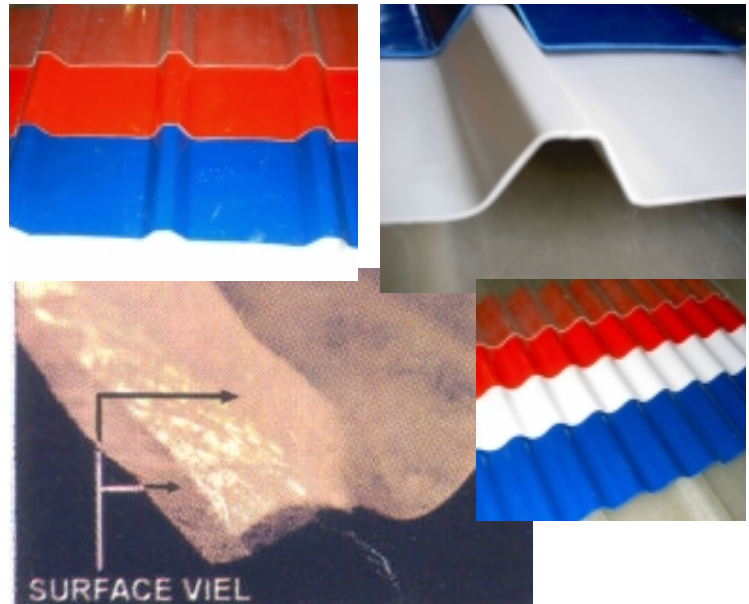
SURFACE QUALITY

To ensure long service life of the panels, good surface protection is required. We always deliver, as a standard, FRP Corrugated Sheets with Organic Viel applied on the external side.

These organic viel:

- prevent damage to panel surface ;
- provide a surface coating that is equally as thick as the paint coating on normal profile sheet, that is, 20 microns ;
- gives longer service life ;
- prevent accumulation of dust and dirt.

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Amount of reinforcement in g/m ²	No. of Plies	Span in m at load in KN/m ²						
		0.75	1.0	1.25	1.5	2.0	2.5	3.0
* 20-profile¹								
450	1	1.63	1.41	1.26	1.15	1.0	0.89	0.81
450	3 or more	1.75	1.32	1.36	1.24	1.07	0.96	8.88
600	1	2.12	1.84	1.64	1.50	1.30	1.16	1.06
600	3 or more	2.29	1.99	1.78	1.62	1.40	1.26	1.15
900	1	2.84	2.47	2.21	2.01	1.74	1.56	1.42
900	3 or more	0.08	2.67	2.38	2.18	1.88	1.69	1.54
* 45-profile¹								
450	1	2.14	1.85	1.66	1.51	1.31	1.17	1.07
450	3 or more	2.31	2.0	1.79	1.64	1.42	1.27	1.16
600	1	2.03	2.46	2.20	2.00	1.74	1.55	1.42
600	3 or more	3.07	2.66	2.38	2.17	1.88	1.68	1.53
900	1	3.65	3.16	2.83	2.58	2.24	2.00	1.83
900	3 or more	3.95	3.42	3.06	2.79	2.42	2.16	1.97

* ¹ Indicates the profile height in mm

LOAD BEARING

Load bearing panels can be manufactured provided the following factors are strictly observed.

Profile Height mm	Weight of reinforcements, g/m ²	Span m	Point Load Kgs
20	900	1.00	220
45	900	1.50	220