

TWIN WALLS LLC



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Twin Walls LLC was registered in Dubai in January 2004 and is situated in Dubai Investment Park (DIP). Our 2,500 square metre manufacturing plant was commissioned in 2006 and is built on a 12,680 square metre plot. Twin walls is located near Jebel Ali seaport and the World Central airport. The Emirates road which runs close to the plant, facilitates easy access to the other Emirates and the Sultanate of Oman and other GCC countries.

Twin Walls is the first PPC (polypropylene corrugated) sheet manufacturing company in the GCC, with an extruding capacity of more than 20,000 square metres per day. Twin walls PPC sheets are completely recyclable and their applications are endless and can be used, amongst other things for; waterproofing protection boards, on finished flooring, partition panels, false ceilings and insulation boards, advertising and printing, point of sale items, cable and coil protection, stationery, . PPC sheets come in thicknesses that vary from between 2 to 10 millimetres, and lengths of up to 12metres with sizes and colours based on client/market requirements.

Twin Walls Polypropylene Corrugated sheets are constructed of two outer layers and a vertical flute connecting the two surfaces. The physical and chemical properties of the PP sheets make them suitable for construction applications. PP Corrugated sheets can withstand soil and water invasion to concrete foundations and are reusable, recyclable and environmentally friendly. In addition to this they are also used for protecting finished walls, ceramic tiles, marble or granite floors and stairs.

In 2010, Twinwalls was accredited with the ISO 9001:2008 certificate, as a result of its perfect process and high standard of quality

Twin Walls LLC is a member of the Strata Group, which has a diverse portfolio of businesses in the UAE and Saudi Arabia, including Real Estate, Management Consultancy, Information Technology and Motorsports.

Product Applications

1. Waterproof membrane protection boards
2. Protection board for finished floors/walls
3. Cable and coil protection
4. Foundation shuttering
5. Thermal insulator
6. Partitions and ceiling tiles
7. Stationery
8. Agriculture and greenhouses
9. Packaging

1. Waterproof membrane protection boards

Lightweight

Durable

Impact resistant

Custom made to suit customer's specifications

Impermeable

PPC corrugated sheets can be attached to bituminous and /or Acrylic based (rubber) waterproof membrane protection. They provide perfect protection for both materials. In case of bituminous board or rolls, there are special techniques used to create adhesion such as applying onto hot asphalt or using Acrylic or latex modified adhesive, which are widely available in the local market. A minimum overlap of 5cm is recommended. For rubber board, there are several adhesives used for sticking the PP sheets to the rubber waterproof membrane. The insertion of Twinwalls sheets ensures that no damage can take place to the waterproof system from the aggressive soil conditions and backfill.

Recommended thicknesses for this application are 4mm, 5mm and 6mm sheets. They are available in standard sizes of 1.22m x 2.44m, 1.00x 2.00m. Custom sizes are also available on request.

2. Protection boards for finished floors and walls

PP corrugated sheets can be fixed on the walls and floors for protecting the surfaces. The inherent property of impact resistance and their light weight make them perfectly suitable for such applications. PP sheets can be cut into the required sizes and shapes. They can be cleaned and washed with water and detergents. Floors and walls can be protected from scratches, paints and interior works. Usually thicknesses of 2mm and 3mm sheets are used by construction contractors for finished floor/wall protection.

3. Cable and coil protection

PP sheets are used in the protection of steel and aluminium coil protection and electrical cable protection.

4. Rib foundation shuttering

PP Sheets are a better choice for replacing plywood and can be used for formwork structures, they are:

Lightweight
Easy to handle
Resistant to water, alkalis, salts etc..

5. Thermal insulators

PP corrugated sheets can be used as thermal insulators. They can withstand temperatures up to 70C, thus reducing heat transfer through walls and doors.

6. Partition and ceiling tiles

PP corrugated sheets can be used for internal partition and false ceiling tiles. (We can provide Fire Retardant PPC sheets).

7. Stationery

PP sheets are easy to die-cut and print and can be used in a variety of ways, including portfolio cases, document cases, dividers and folders

8. Agriculture and greenhouses

PP Sheets are used in the fabrication of greenhouses and the storage of agricultural produce

9. Packaging

PP corrugated sheets can be used for various packaging purposes and are mainly used by shipping companies.

Product Standard Sizes

Thickness mm	GSM gram/m2	Width metre	Length metre
2	330	1.00	2.00
2	330	1.22	2.44
3	450	1.00	2.00
3	450	1.22	2.44
4	650	1.00	2.00
4	650	1.22	2.44
5	750	1.00	2.00
5	750	1.22	2.44
6	850	1.00	2.00
6	850	1.22	2.44
8	1500	1.00	2.00
8	1500	1.22	2.44
10	1800	1.00	2.00
10	1800	1.22	2.44

NOTE:

Other sizes are also available as per client's request

Standard colours are; White, Blue and clear. Any other colour is also available on request.