



**QATAR STEEL**  
INDUSTRIES FACTORY (W.L.L.)  
مصنع قطر للصناعات الحديدية

# QATAR ROOFING TILE PANEL

Qatar Steel Industries Factory introduced the option of metal roofing tile panels. Unlike their ceramic counterparts, they are highly durable, less prone to damage, lightweight and easy to assemble. They retain the same design aesthetic that adds a nice visual appeal to the façade of a building and is portable and easy to assemble.

Built from Pre-painted galvanized iron also known as 'PPGI', the zinc layer ensures protection from corrosion and rust. Bent to form a shape that resembles their ceramic counterparts, they are easy to maintain as they share the same water-shedding feature. The panels are adhered to polyurethane to add that extra layer of protection which helps the structure remain safe from moisture, extreme weather conditions, fireproof and help with soundproofing.

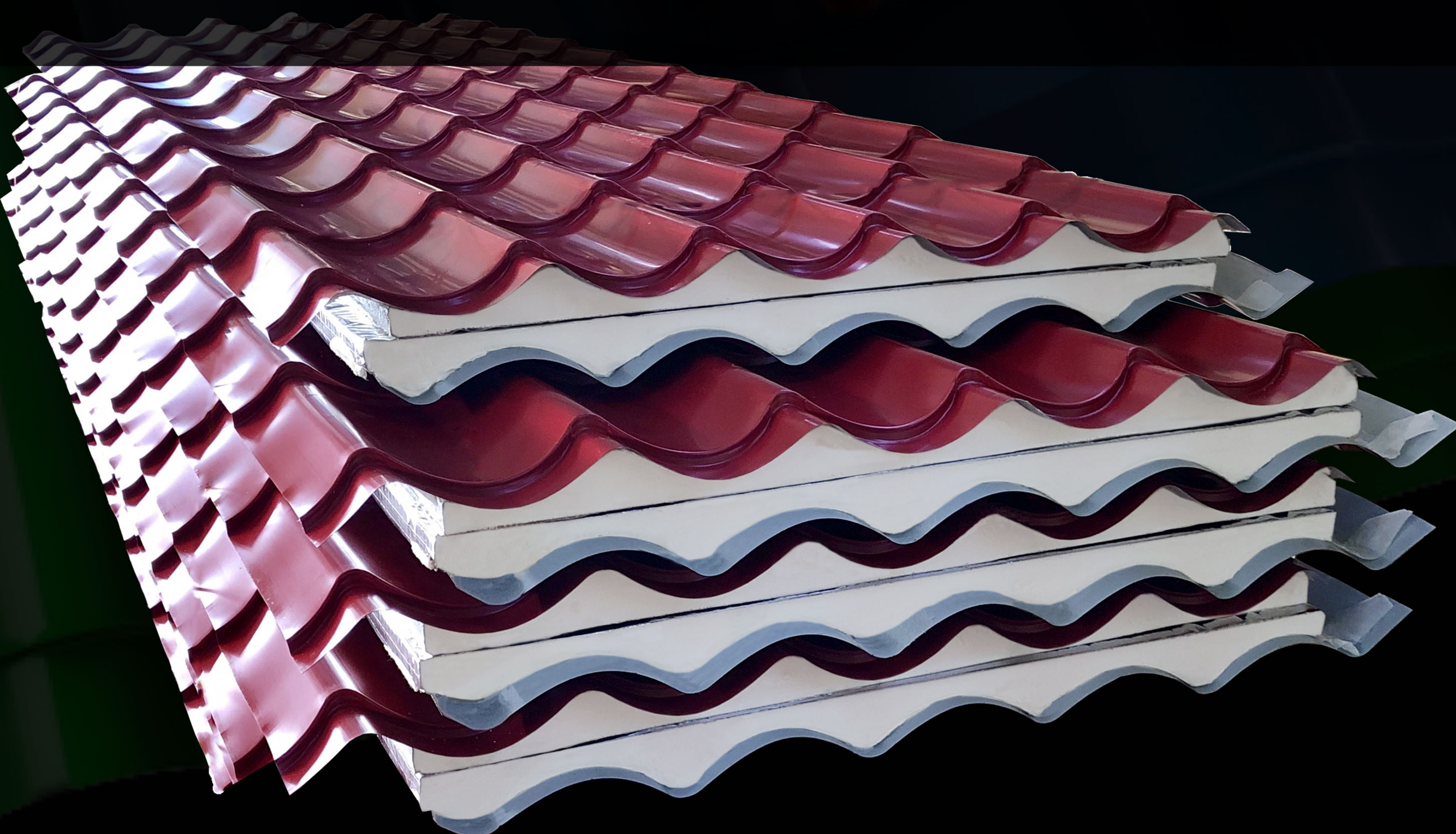
These come in both single and double skin variants, where the thicker layer ensures a greater degree of protection from the elements. The thickness also absorbs more sound and vibrations leading to higher sound dampening capability.

## Investing with QSIF in Roofing Tile Panels ensures:

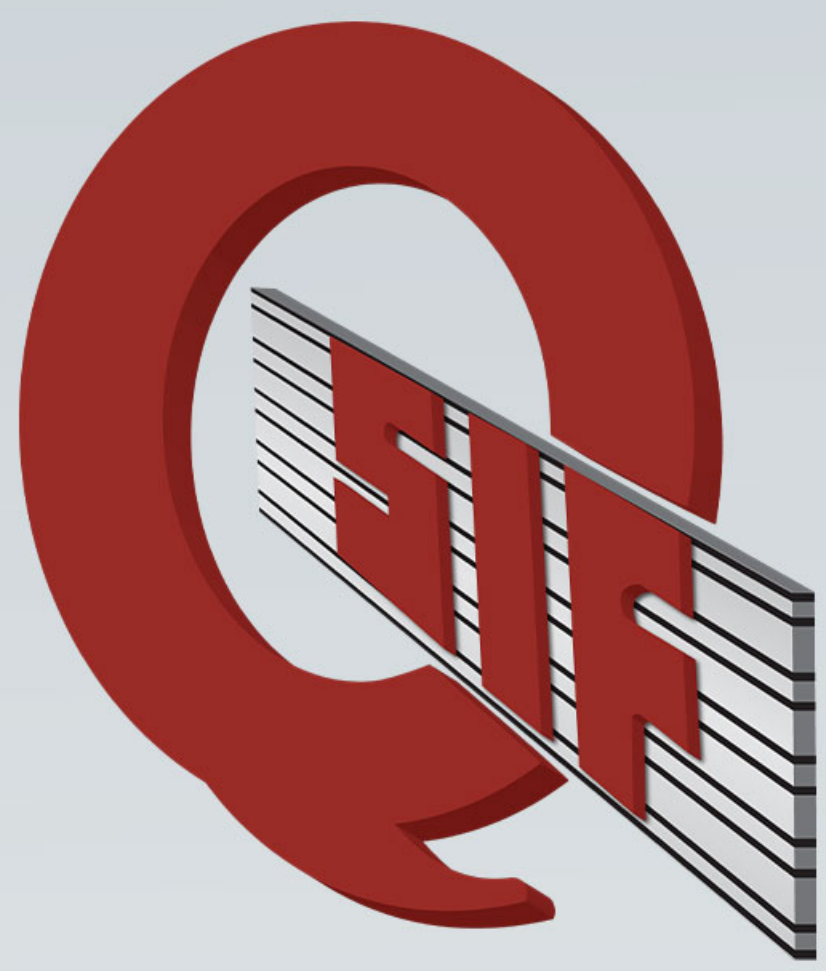
- The top fascia sheet is pre-painted galvanized steel.
- Durability and strength as the material used is metal.
- Corrosion, weather, fire, humidity and mold protection as the tiles undergo galvanization and are adhered with Polyurethane.
- Reduces the sound and vibrations substantially due to the extra added layer of Polyurethane.
- The same aesthetic as its ceramic counterpart but is lighter making it portable.
- Quick and easy to assemble as they are designed in panels.
- Customization options come in a range of color options for you to choose from White, Beige, Maroon, Green, Blue, Red, and so on.
- Water shedding properties make it easy to maintain. Washing with water can easily remove dirt and any weather pollutants. Thus ensuring little to no maintenance costs and longer life.

## Size, Dimensions and Coating:

- Dimensional options for thickness ranging from 0.35 - 0.7 mm.
- Width of 1000 mm.
- Length ranges from 750 - 6000 mm.
- Bottom Rigid PVC fascia sheet 0.08mm thick.
- Scratch resistance due to a 1500 gms coating.



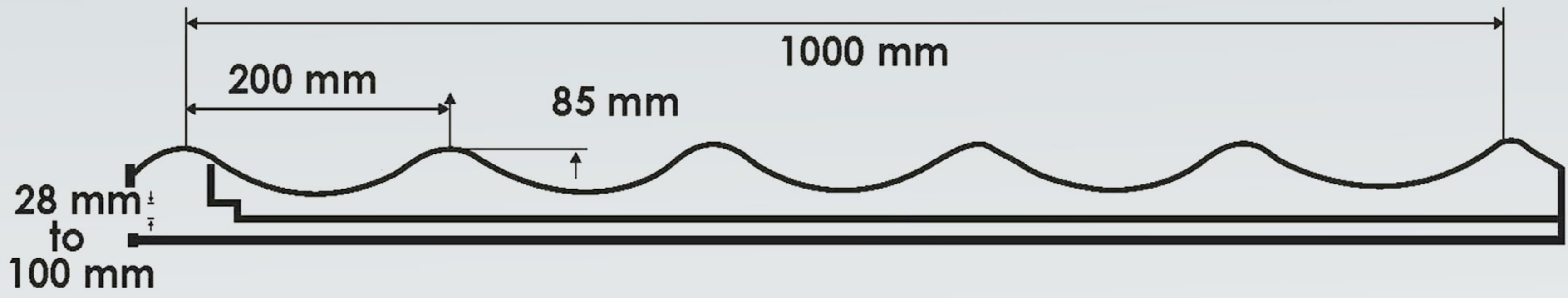




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## TECHNICAL DATA SHEET



### GENERAL DETAILS

Top Facia Sheet	Pre Painted Galvanized Steel (PPGS)
Thickness of Top Facia Range (mm)	0.35 mm to 0.7 mm
Width of Sheet (mm)	1000 mm
Length Range (mm)	750 mm to 6000 mm
Insulation Type	Polyurethane Foam
Specular Glass @ 60 Deg (amount of light reflected from surface)	40 - 90%
Bottom Facia Sheet	Rigid PVC Film
Pencil Hardness of top facia (first pencil that does not scratch)	2 (HB Grade)
Length Range (mm)	200 mm to 11500 mm
Protective Film	With or Without Guard Film
Thickness of PVC Film	0.08 mm
Insulation Thickness (mm)	100 mm
Scratch Resistance of top facia (bare metal shall not be visible through scratch)	1500 GMS

### COATING

Top Coat	5 Micron Primer and 20 to 25 Micron of Top coat
Back Coat	5 to 10 Micron of service coat
Zinc Coating	90 to 120 grams per sqm

### PHYSICAL AND MECHANICAL PROPERTIES

Density	38 +/- 2 Kg per Cubic Mtr	White, Off White
Closed cell content	90 to 95 %	Beige.Green
Thermal conductivity	0.02 W/m-K	Light Green
Dimensional stability (48 Hrs)		Dark Green
Deg -25	0.01%	Yellow.Red
Deg + 38 & 90 % RH	0.01%	Light Pink
Deg + 100	0.04%	Dark Pink
Water absorption (24 hrs)	0.02% of Volume @ 100 % RH	Blue, Dark Blue
Fire resistance	1.3 minutes	Purple

### COLOR SHADES

### CORROSION RESISTANCE - FACIA

Salt spray - 5 % NaCl 500 Hrs	Good
Humidity 1000 Hrs	Good
Acid resistance - 5 % HCL 24 Hrs	Good
Alkali resistance - 5 % NaOH 24 Hrs	Good
Boiling Water 1 Hrs	Good

### DIAMENSIONAL TOLERANCE

Thikness (mm)	2 mm
Width (mm)	1 mm
Length (mm)	6 mm