



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

# QATAR PRE-PAINTED GALVANIZED TILE ROOFING

Pre-painted galvanized tile roofing sandwich panel. In the past 20 years, end-users, contractors and consultants have become increasingly aware of the losses associated with thermal transmission. Insulation of various types is now used in all types of buildings. Liner panels have one metal skin surface with polystyrene foam board adhered to it for better insulation. QSIF is one of the first companies to introduce polyurethane sandwich panels in the Middle-East for heat-resistant transmission quality products. Furthermore, QSIF provides optional choices of fire retardant panels at the request to further ensure the safety of any project and home or warehouse.

Uses: Pre-painted galvanized tile roofing sandwich panel sheets can be successfully applied to cold storage, warehouses, residential villas, houses, covered pools and sports complexes. Moreover, there are various choices of rich colors available both in the single skin or double skins. The features include:

- Resistant to corrosion, deformation and breaking
- High resistance to water absorption
- No requirements for interior or exterior finishing
- Can simply be disassembled when necessary
- High insulation value
- Long service life
- Strong aesthetic value

## الأشكال المتوفرة: دائرية ومستطيلة ومربعة

الاستعمالات: يمكن استخدام مثل تلك الأنابيب بطرق متعددة- حيث يمكن استخدامها لدعم الأعمدة والجمالونات وأنظمة التخزين وحواجز الحماية على الطرق السريعة وحدودها.

المعيار: معيار 12 ASTM A500/A500M, ASTM A1008, CS, DS (ASTM A1008), DIN 1623, درجة أ، ب، ج.

## تشمل قائمة المزايا ما يلي:

- تمنع الخصائص الفيزيائية الثابتة أي تغيير أو تزييف صناعي جذري
- المنتج خاضع لاختبارات بشكل صارم ويتمتع بقابلية تشغيل ممتازة وقوة عالية
- مضمون ومختبر لغرض ضمان الجودة
- مقاومة عالية للتحميل الالتوائي
- وضع سطحي ممتاز
- يتوفر بتشكيلة واسعة من الأشكال والسمك
- جاهز ومتوفر في مخزون بضائعنا بأطوال من 6 أمتار

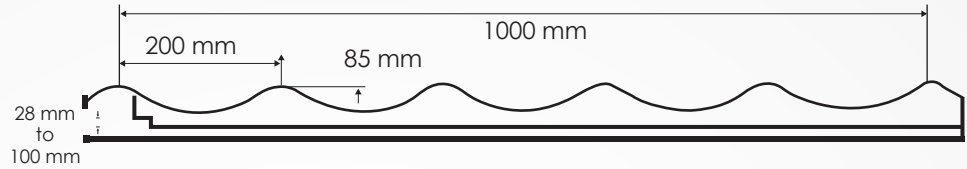




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### TECHNICAL DATA SHEET



#### GENERAL DETAILS

Top Facia Sheet	Pre Painted Galvanised 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
Insulation Thickness (mm)	100 mm
Bottom Facia Sheet	Rigid PVC Film
Thickness of PVC Film	0.08 mm
Length Range (mm)	200 mm to 11500 mm
Specular Glass @ 60 Deg (Amount of light reflected from surface)	40-90%
Pencil Hardness of top facia (First pencil that does not scratch)	2 (HB Grade)
Scratch Resistance of top facia (Bare metal shall not be visible through scratch)	1500 Gms
Protective Film	With or Without Guard Film

#### COATING

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

#### PHYSICAL AND MECHANICAL PROPERTIES

Density	38+/-2Kg per Cubic Mtr
Closed cell content	90 to 95%
Thermal conductivity	0.02W/m-k
Dimensional stability (48 Hrs)	
Deg -25	0.01%
Deg +38&90% RH	0.01%
Deg +100	0.04%
Water absorption (24 Hrs)	0.02% of Volume @100% RH
Fire resistance	1.30 minutes

#### COLOR SHADES

White, Off White
Beige, Green
Light Green
Dark Green
Yellow, Red
Light Pink, Dark Pink
Blue, Dark Blue

#### 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

#### COLOR SHADES

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