

- DURASHINE® range of products



DURASHINE® range of Roof and Wall cladding products

DURASHINE® is a range of Roof and Wall cladding products by Tata BlueScope Building Products. The range offers products like Roof and Wall sheets, Tile profile roof sheets, “Z” and “C” shaped Purlins for structural support and some typical Accessories. These offerings are expected to fulfill the need of retail customer by offering amazing aesthetics, excellent thermal efficiency and exemplary colour durability in coated steel products. Moreover, the DURASHINE® range of products is available in association with the strong network of Tata Shaktee distribution channel.

DURASHINE® Roof and Wall sheets

The Roof and Wall sheets are manufactured from zinc / aluminum alloy coated high tensile steel. The sheets are available in thickness of 0.45 TCT, 0.37TCT, 0.6TCT and have minimum yield strength of 550 MPa, with a profile width of 1072mm and effective width of 1015mm. The sheets are available in attractive range of colours.

General benefits of DURASHINE® Roof and Wall are as follows

- Better Thermal Efficiency
- Long lasting
- High strength – 550 MPa
- Better Corrosion Resistance
- Easy to install

Typical

specifications



Specifications

Total Coated Thickness (mm)	0.45
Sheet Length* (mm)	2440 (8ft), 3050 (10ft), 3660 (12ft), 4270 (14ft) and 4880 (16ft)
Metallic coating	Zinc-Aluminum Alloy Coating
Effective cover width (mm)	Nominal 1015
Overall width (mm)	Nominal 1072
Min Roof Slope (Degree)	3
*sheet Length	in feet is approximate value
Maximum support spacing (mm)*	

Type of Span	Roof	Wall
Single Span	950	1700
End Span	1200	2450
Internal Span	1750	2850

*Terms and conditions applicable

Advantages of DURASHINE® Roof:

Anti capillary groove : Anti capillary groove ensures leak-proof performance

Wider Profile : Wider Profile covers larger area and hence requires less number of sheets. It also results in saving of time.

Wider Valley : Wider valley ensures higher water discharge during heavy rains.

Better thermal efficiency : Ensures pleasant environment inside the building



Specifications

Total Coated Thickness (mm)	0.45
Sheet Length* (mm)	2440 (8ft), 3050 (10ft), 3660 (12ft), 4270 (14ft) and 4880 (16ft)
Metallic coating	Zinc-Aluminum Alloy Coating

Effective cover width (mm)	Nominal 1110
Overall width (mm)	Nominal 1150

*sheet Length in feet is approximate value
Maximum support spacing (mm)*

Type of span	Wall
Single Span	1150
End Span	1500
Internal Span	1650

*Terms and conditions applicable

Advantages of DURASHINE® Wall:

Widest profile : DURASHINE® wall is one of the widest wall profile sheet available, which is also quick and easy to install

Long lasting: Zinc – Aluminum alloy coating and superior paint system gives longer product life – almost 2 to 4 times longer than ordinary colour coated sheets

Standard colour options for DURASHINE® Roof and Wall :

Nuvo Blue™

Castle Red™

Bright Green™

Asian White™

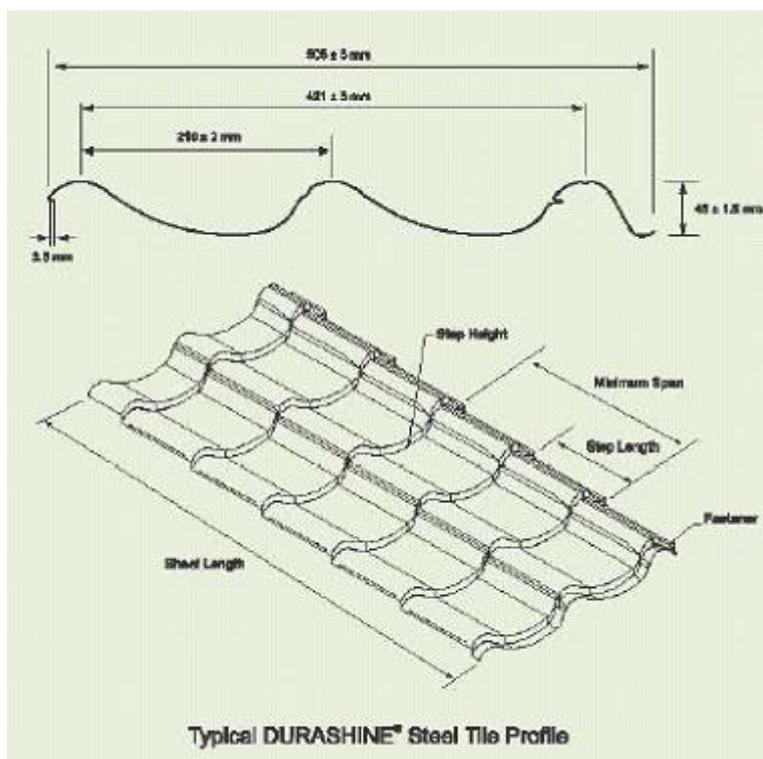
Satin Silver*™

*Unpainted

DURASHINE® Steel Tile Roof

DURASHINE® Steel Tile is a strong, durable, concealed fixed (fasteners not visible), long lasting steel roof tile. It is quick to install, easy to handle and transport. It is designed to provide aesthetic look to a building.

DURASHINE® Steel Tile is manufactured from Pre-Painted Zinc-Aluminum alloy coated steel, AZ 150, G300 conforming to AS/NZS 2728 type 3-4



Specifications

Sheet Thickness	0.5mm TCT*
Standard Sheet Length	2440 mm, 3200 mm, 3960 mm
Overall Profile Width	nominal 505 mm
Effective Cover Width	nominal 421 mm
Min. Roof Slope (Degree)	5
Rib Height	nominal 45 mm
Min Span	760 mm
Weight	5.65 kg/m ² or 2.37 kg/m

*Terms and conditions applicable

DURASHINE® Tile fixing method:

Concealed fixing

DURASHINE® Steel tile is fixed by using AS 3566 class 3 fastener. The screws are hidden under the tile lap to effectively secure DURASHINE™ steel Tile to steel or timber support. With no exposed fasteners, the straight line of your roof remains clean and smooth

Benefits

- Long Lasting
- Strong & Light Weight
- Better Corrosion Resistance
- Better Thermal Efficiency
- Fasteners Not Visible
- Easy Installation
- Aesthetically Pleasing

Applications

Residential - Row Houses, Bungalows, etc.
Commercial - Shopping Centers, Resorts, Hotels, etc.
Industrial - Porches, sloped roof slabs, etc.
Institutional - Colleges, School Building, etc.
Agriculture - Farm Houses, etc.

Standard Colours Available

Cool Green
Smart Blue
Nature Green
Bold Red

DURASHINE® Purlin

DURASHINE® Purlin is a structural component, roll-formed from high strength galvanised steel with 120 g/m² Zinc coating mass, which saves more than 30% of the steel by weight



Specifications

Bay Spacing (m)	DURASHINE® Purlin		Tubular Section		Hot rolled Channels		Angle Section	
	Section	Wt (Kg/m)	Section	Wt (Kg/m)	Section	Wt (Kg/m)	Section	Wt (Kg/m)
2500	Z10010	1.75	Tube 70*3	3.22	ISMC 75	6.8	100*100*6	9.2
3300	Z15015	3.56	Tube 90*3	4.16	ISMC 75	6.8	100*100*6	9.2
3800	Z15015	3.56	Tube 90*4	5.53	ISMC 100	9.2	100*100*6	9.2
4250	Z15015	3.56	Tube 100*4	6.15	ISMC 100	9.2	130*130*8	15.92

DL=0.1 KN/m², LL=0.75 KN/m², WL=1.6 KN/m² (V=47m/sec), Purlin spacing =1.40 m

Note: Above table is intended for comparison only, and is not a substitute for professional judgment. Please contact Tata Blue Scope Steel office or professional Engineer for design purpose.

DURASHINE® Purlin is cost effective in comparison to conventional structure element: channel section, angle section and tubular section.

Standard Offers

Purlin	Zinc Coating (g/m ²)	Thickness (mm)	Depth (mm)	length (m)
Z10010	120	1	102	6
Z15015	120	1.5	152	6

Benefits

- Light weight and strong
- Greater spanning capability
- Zinc coating to provide longer life
- No welding at site
- No painting required after installation
- Lower maintenance cost

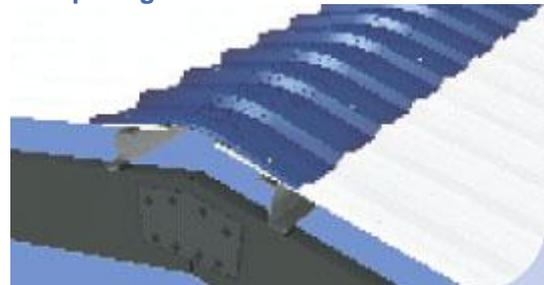
DURASHINE® Typical Accessories

DURASHINE® offers accessories compatible with the range of Roof and Wall products.

Plain Ridge



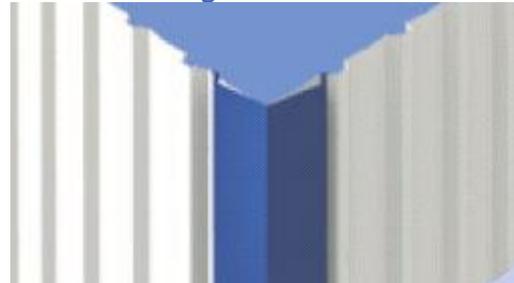
Crimp Ridge



Gable Flashing



Corner Flashing



Gutter



Crimp Eave

