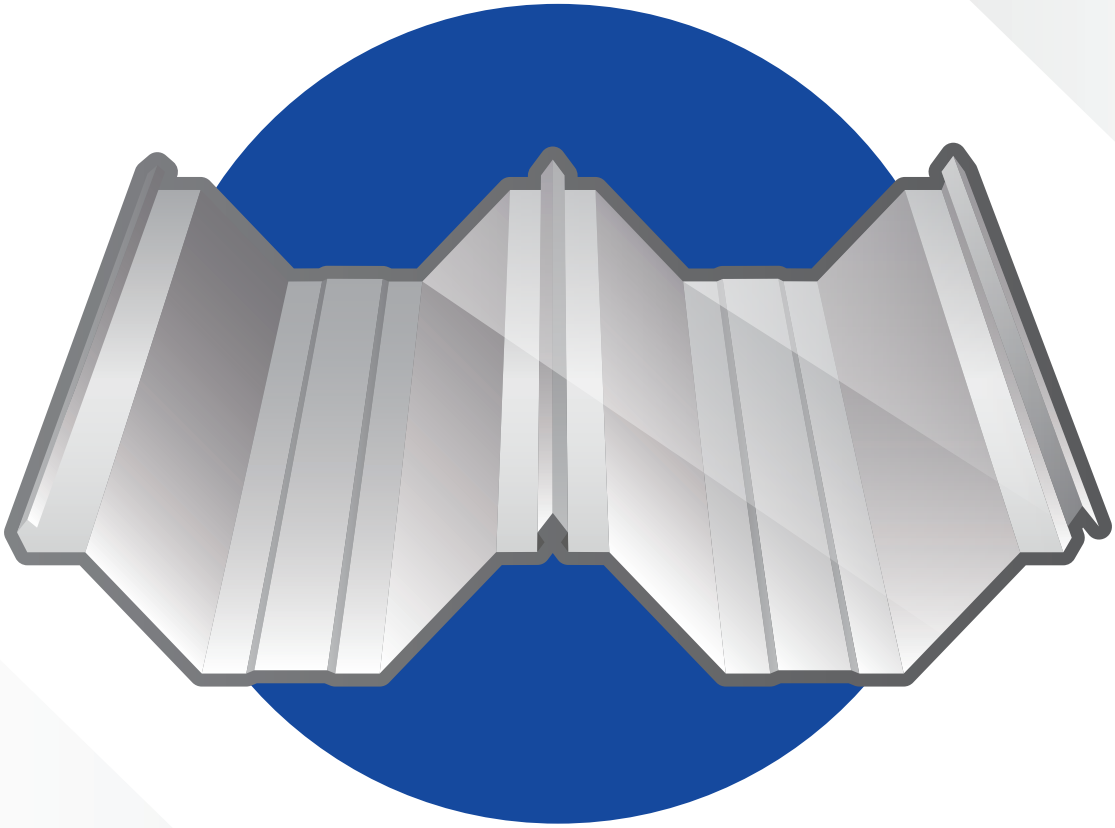
TAKUMI

TS100 BOLTLESS SEAMING SYSTEM



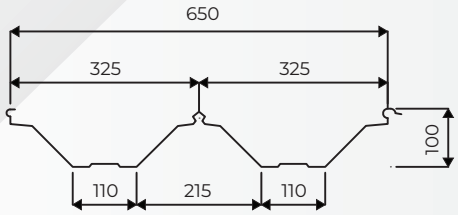
WE GOT YOU COVERED

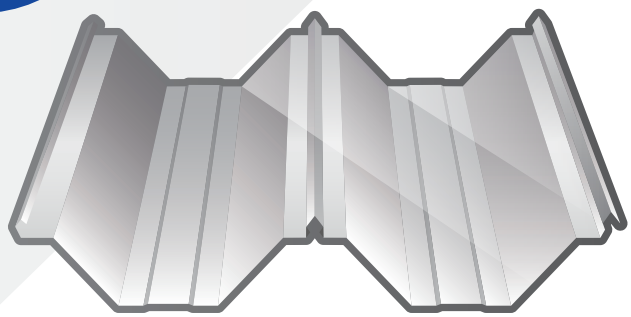
TS100 Boltless Seaming System have a sleek design that has no fastening bolt visible on the roof surface. This roof provides total protection. It is designed especially for large industrial and commercial projects. It's profile height and large water carrying capacity enables the roof to have large span capability which translates to fewer purlins and lower cost.

TS100 rood retains high performing installation and strongest water ressistant, while having effective width up to 650 mm, TS100 roof reduces both material quantity and construction period.

TS100 is available in ZincAlume and color finishes. With our latest mobile roofing mill, we can rollform on project sites.

TS100 SPECIFICATIONS





LENGTHS :
Mobile Rolled on Site to custom cut at Site and Factory sheet cut

TOLERANCES :
Length : ± 15mm
Width : ±4mm

Keep your weight evenly distributed over the soles of both feet to avoid concentrating your weight on either heels or toes. Always wear smooth soft-soled shoes; avoid ribbed soles that pick up and hold small stones, swarf and other objects.

Be careful when moving between supports. Do not walk in the pan immediately adjacent to flashings or translucent sheeting. Walk at least one pan away.

Make allowance for thermal expansion or contraction for long length roofs at sheeting ends.

The equation $\Delta L = \alpha \times \Delta T \times L$ gives an indication of the sheeting extent or cntraction (ΔL).

$\alpha = 12 \times 10\text{-}6$ (coefficient of linear expansion for steel)

ΔT = temperature change in °C
L = sheet length in mm

LOAD SPAN

Thickness	Load on Span (Kg/M² at Continuous Support)					
mm(tct)	1.25m	1.50m	1.75m	2.00m	2.25m	2.50m
0,50	495	422	389	351	290	238
0,60	556	501	479	427	332	289

SECTIONAL PROPERTIES

Thickness	Unit Weight		Moment of Inertia	Section Modulus
mm(tct)	Kg/m²	Kg/m²	Lx = cm⁴/M	Zx = cm³/M
0,50	3,38	5,23	108,64	32,88
0,60	4,10	6,30	132,78	40,18

PEAK RAINFALL	ROOF SLOPE (DEGREE)				
Intensity (mm/hour)	1°	2°	3°	5°	8°
100	273	386	473	611	773
150	182	258	315	407	515
200	137	193	237	305	386
250	182	155	189	244	309
300	91	129	158	204	258
400	68	97	118	153	193
500	55	77	95	122	155

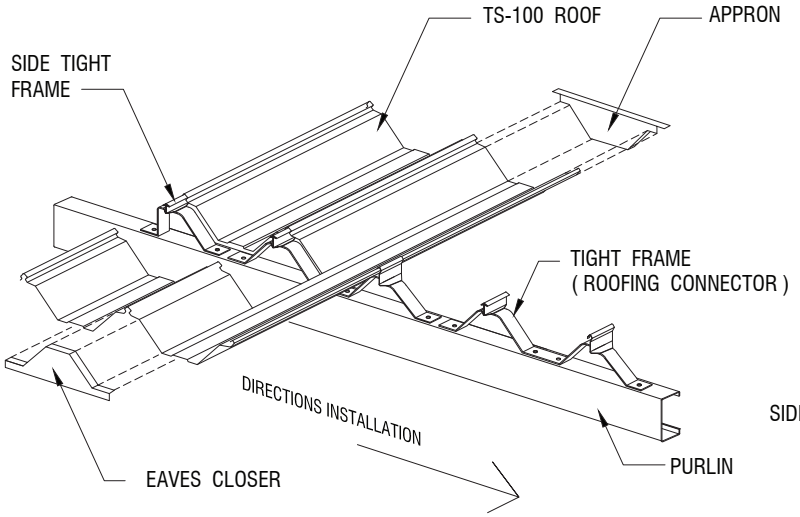
Note : Depth of flow in pan has taken into account freeboard allowance (20% of Rib height)

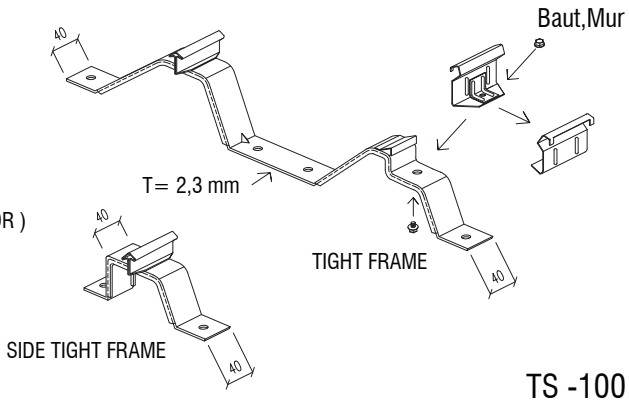
WATERTIGHT GUARANTEE

An average of 6,000 M2 screw fix roof will have about 30,000 screw holes. Each one a possible source of leakage and corrosion over time period.

Full width and heavy duty TS100 Roof connectors provide incredible holding strength and stability without puncturing the roof sheet.

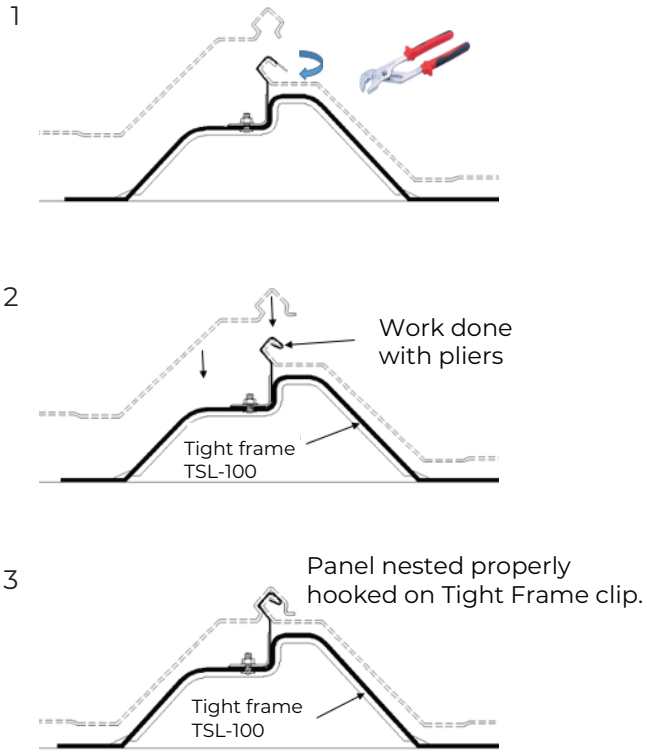
DETAILS



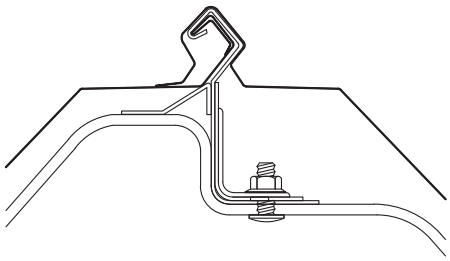


TS -100

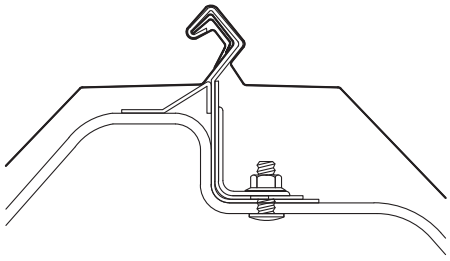
INSTALLATION



BEFORE SEAMING



AFTER SEAMING



OIL CANNING

All flat metal surfaces can display waviness commonly reffered to as “oil canning” is an inherent characteristics of steel product, not a defect, and therefore is not a cause for panel rejection.

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