

LOKSEAM®

The Only Roofing System That Locks & Seams



+ Dimension:

- . Width : 470 mm (18 inches)
- . Length : Unlimited - site forming
- . Full rib height : 66 mm
- . Seam type : locks and 360 degree seams

+ Material : SILVER 180 (Made in Japan)

- . The metal is subject to ASTM A1046M Grade 50 (Yield stress 345N/mm²), thickness 0.50mm.
- . 180gr/m² Zn, Al, Mg & Si Coated, having very good performance for Corrosion resistance.

Corrosion Resistance Comparison
ZINC ALUM (150g/m²) / SILVER 180 (180g/m²)

		ZINC ALUM 45%Zn-55%Al	Silver 180 Zn-11%Al-3%Mg-Si
Normal Conditions	Flat faces	very good	very good
	Cut-end faces	good	very good
Alkaline (Salt) Conditions	Flat faces	not good	very good
	Cut-end faces	not good	very good

Corrosion resistance of cut-end faces

Silver 180 Coating weight: 90g/m ² /one side	
ZINC ALUM STEEL SHEET Coating weight: 75g/m ² /one side	

- Lokseam is a Standing Seam roof system that is one of the best roof systems in the world.
- A Conceal Fixing type; no screw fixing for roof sheet to purlin; no water leak.
- A weather proof system: resulting in no air leak; savings in air-conditioning.
- Full single piece roof length upto 96m with no end lap joints; no water leak at end laps.
- Safe in strong typhoon upto a wind speed of 180km/hr; safe for workers.
- No overflow even with 3% roof slope.
- Preventable break in through the roof; protection against theft.
- Heat expansion not transferable to purlin due to Clip: extra safety factor .

Why is Silver 180 15 times* more corrosion resistant than other similar steels?

Because Aluminum, Magnesium and Silicon are further added to the conventional zinc coating. The compound effect of these additives dramatically enhances corrosion resistance. By the compound action of silicon and magnesium, in particular, the effect of restraining corrosion is further strengthened.

*: Compared to Hot-dip galvanized sheets (salt spray test)

* Other materials: PEB Steel can supply other materials such as Pre-painted, Zin Alum etc... as per customer request.