

Special Conditions & Specifications

NS 1 - Galvanised steel / Galvalume self supporting sheet in roofing :-

1. The structural roofing can span the distance between the supporting roof purlins/ Beam by itself, similar to metal decking “ Self Supporting Roofing “.
2. Roofing panels are mechanically seamed (Interlocked) and free from holes, nuts, bolt overlaps and sealants, thereby ensuring almost zero maintenance.
3. The mechanical sealing ensures 100% leak proof roofs.
4. Grade 550 steel used is known as High tensile steel with a minimum tensile strength of 550 MPA.
5. The cost of all such test is to be borne by the contractor.
6. Before fixing of self supporting sheet at site, design will be got approved by Railway.
7. Specification of Galvalume sheet :-

Base Metal	Cold rolled structural quality steel in coil form, coil width : 914 mm
Steel grade	Grade D: 550 Mpa yield strength Min.
Steel thickness range	0.8mm to 1.60mm (Base metal thickness)
Bare Galvalume coating	AZ 150, 150Gms/Sq. M. Alu-Zinc-Silicon coating (55% Al. , 43.5% Zn and 1.5% silicon)
Colour coating & testing methods	Top side - Suitable for Roll- Forming, 20 microns total dry thickness, NCCA Standard T-Bend Test method or ASTM D4 145-83 Back side – 12 microns total dry thickness, epoxy primer and polyester wash- coat.
Weight per sq mtr.	Thickness : 0.8mm 0.9mm 1.0mm 1.1mm 1.6mm Weight kg/sq.mtrs: 10.0 11.1 12.5 13.9 20.0
Coil weight	APP. 3.75 Tons (Length of sheet 400 to 450 mtrs)
Standard	ASTM A792 : Standard specification for steel sheet , 55% Aluminum- Zinc Alloy- Coated by the Hot – Dip process

8. All works will be done as per RDSO guide line – RDSO/ WKS/ 2015/3 (Amended up to date)

**Date-
Place-**

**Signature of tenderer/s
Address.....**