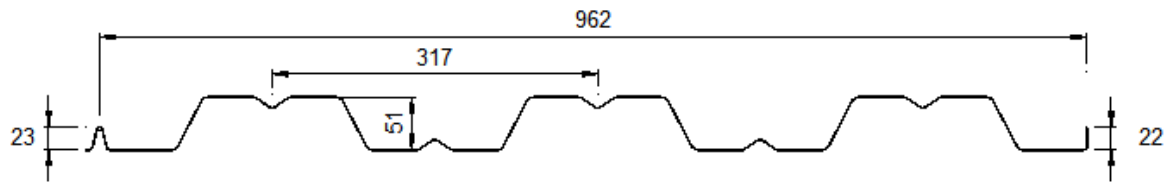
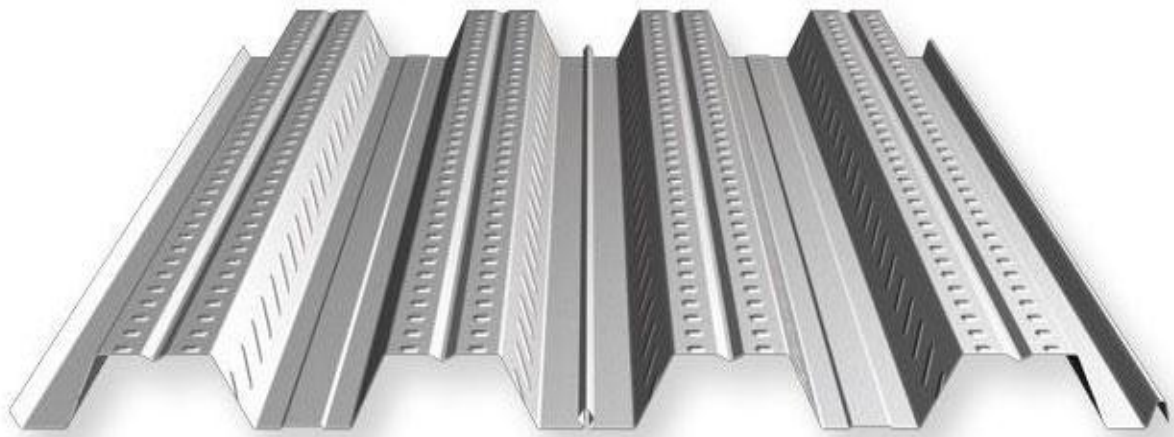


STALWART TECHNOSOURCE

Stalwart Technosource

ST Deck Sheet



Stalw

SPECIFICATIONS

ST DECK SHEETS

TECH. DETAILS	MATERIAL	THICKNESS	COLOUR
51mm Depth having overall width of 976 mm cover width 962 mm, 317 mm pitch	Manufacture & Supply of JSW Steel make GI Classic Deck Sheets from Hot Dip Galvanised in CRCA steel confirming to IS 513 with zinc coating mass of 275 gsm as per IS 277 followed by Minimum 550 mpa tensile steel	0.63mm 0.80mm 1.00mm 1.20mm	Natural Mill Finish

MATERIAL AVAILABLE

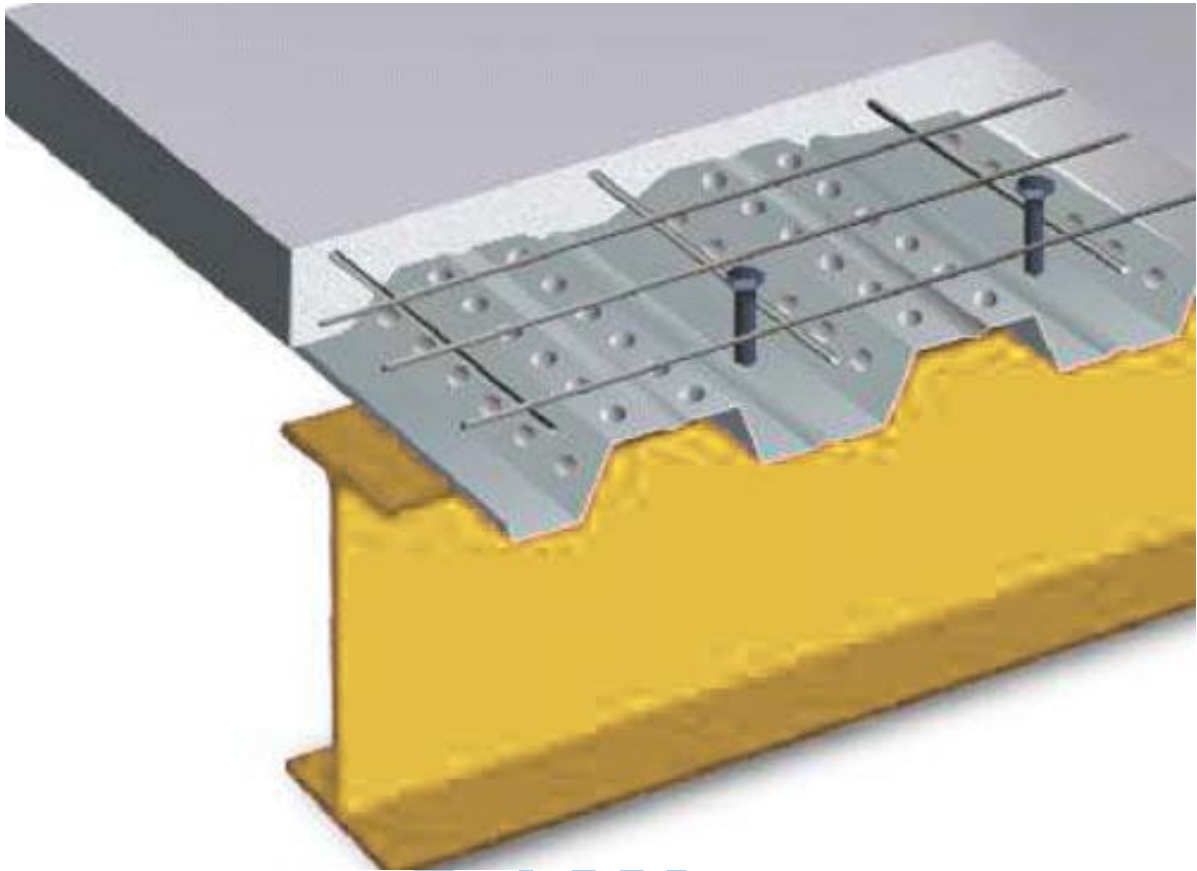
Sr. No.	Particulars	Specification
01	Material	Galvanised
02	Zinc Coating	120gsm, 275 gsm, 500 gsm
03	Thickness	0.63mm, 0.70mm, 0.80mm, 1.00mm , 1.25mm
04	Yield Strength	240 MPa , 345 MPa, 550 MPa
05	Mill	JSW, ESSAR, POSCO etc.

Stalwart Technosource Deck a type of steel decking profile – one of its kind in India- at par with international standards of steel design and strength, This decking can be used as a composite floor system or as t a permanent work form. It binds with concrete slab and together forms a part of the floor structure. The interlocking between the concrete and the floor deck occurre by a system of embossment and ribs that are built into deck, creating a reinforce concrete slab. This fast and simple installation using high strength product, give immediate access to a working platform of permanent form and positive reinforcement.

ADVANTAGES OF ST DECK

- Light Weight
- Economical
- Time Saving
- Multi-Faceted
- Multi-Use
- Aesthetic Appeal

FIXING DETAILS



Stalwart Tech

STANDARD PROCEDURE FOR LAYING OF ST DECK 51

ST Deck 51 must be laid with the sheeting ribs aligned in the direction of the design spans. Other details include the following:

- The Slab supports must be prepared for bearing as required
- Lay ST Deck 51 sheets continuously over each slab span without any intermediate splicing or Jointing.
- Lay ST Deck 51 sheets end to end. Centralise the joint at the slab supports. Where Joint is Required the sheets may be laid continuously without overlap.
- Support ST Deck 51 sheets across their full width at the slab support lines and at the propping Support lines.
- For the supports to carry the wet concrete and construction loads, the minimum bearing is 50 mm for ends of ST Deck 51 sheets, and 100 mm for intermediate supports over which the sheeting is Continuous.
- Fix to every support (temporary and permanent, end and internal).

ST DECK SHEETS LOAD CHART

NO.	Thickness (MM)	Unit Wt. (Kg/m ²)	Section Modulus (cm ³)	Moment Of Inertia (CM ⁴)
1	0.63	6.56	13.41	39.03
2	0.70	7.36	15.68	43.09
3	0.80	8.34	17.92	48.94
4	1.00	10.30	22.30	60.72
5	1.25	12.75	27.90	75.16

No.	Thickness (mm)	Allowable Loads in kg/m ² for 240 MPa Yield Strength of Material								
		Span in Meters								
		1.0	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.00
1	0.63	1970	1261	876	643	493	389	315	261	219
2	0.70	2304	1475	1024	752	576	455	369	305	256
3	0.80	3633	1685	1170	860	658	520	421	348	293
4	1.00	3277	2097	1456	1070	819	647	524	433	364
5	1.25	4100	2624	1822	1339	1025	810	656	452	456

No.	Thickness (mm)	Allowable Loads in kg/m ² for 340 MPa Yield Strength of Material								
		Span in Meters								
		1.0	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.00
1	0.63	2776	1777	1234	906	694	548	444	367	308
2	0.70	3246	2077	1443	1060	811	641	519	429	361
3	0.80	3709	2374	1649	1211	927	733	594	491	412
4	1.00	4616	2954	2052	1507	1154	912	739	610	513
5	1.25	5775	3696	2567	1886	1444	1141	924	764	642