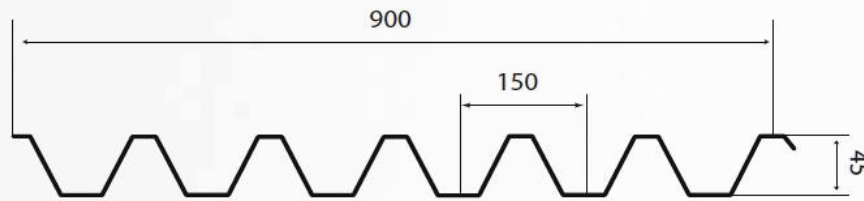
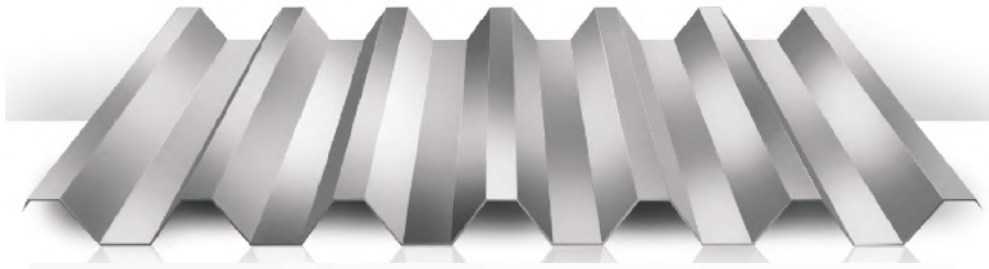




# ISO THERM 45/150 DECKING



**GI/STEEL**

## APPLICATION SPECIFICATION

- Floor Decking / Mezzanine Decking
- Sheets are galvanized steel
- Hot dip galvanized with G90 or 275 GSM
- Yield Strength 350 N/mm<sup>2</sup>
- Thickness from 0.7 mm to 1 mm

## PROPERTIES & LOAD TABLES

### Section Properties (Per Meter of Coverage Width Base Metal-STEEL)

Thickness mm	Weight Kg/M <sup>2</sup>	Area Cm <sup>2</sup>	Top in Compression				Bottom in Compression				Shear Va KN
			ix cm <sup>4</sup>	Sx Top cm <sup>3</sup>	Sx Top cm <sup>3</sup>	Ma KN-m	ix cm <sup>4</sup>	Sx Top cm <sup>3</sup>	Sx Bottom cm <sup>3</sup>	Ma KN-m	
0.70	7.433	9.481	7.000	2.832	6.632	0.942	6.827	3.784	3.963	1.258	11.510
0.80	8.495	10.836	8.644	3.601	7.646	1.197	8.063	4.384	4.766	1.458	17.550
0.90	9.557	12.190	9.804	4.161	8.325	1.384	8.901	4.786	5.317	1.591	22.520
1.00	10.619	13.544	15.237	6.765	11.767	2.249	13.251	6.800	8.289	2.261	38.700

### Ultimate Uniform Load Capacities(KN/m<sup>2</sup>)

Thickness mm	No.of Spans No's	Load Case	Span in Meters								
			1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00
0.70	Single Spans	Imposed Load	23.791	12.181	7.049	4.439	2.974	2.089	1.523	1.144	0.881
		Wind Load	30.471	18.337	10.611	6.682	4.477	3.144	2.292	1.722	1.326
	Muti Spans	Imposed Load	37.333	22.983	13.301	8.376	5.611	3.941	2.873	2.158	1.663
		Wind Load	38.089	24.377	16.928	12.437	8.447	5.932	4.325	3.249	2.503
0.80	Single Spans	Imposed Load	27.549	14.105	8.163	5.140	3.444	2.419	1.763	1.325	1.020
		Wind Load	33.004	21.123	12.226	7.699	5.158	3.623	2.641	1.984	1.528
	Muti Spans	Imposed Load	41.278	26.148	15.401	9.699	6.497	4.563	3.327	2.499	1.925
		Wind Load	41.256	26.404	18.336	13.471	9.732	6.835	4.983	3.744	2.884
0.90	Single Spans	Imposed Load	30.874	15.807	9.148	5.761	3.859	2.710	1.976	1.485	1.143
		Wind Load	36.969	23.660	13.722	8.641	5.789	4.066	2.964	2.227	1.715
	Muti Spans	Imposed Load	46.211	29.575	17.260	10.569	7.282	5.114	3.728	2.801	2.158
		Wind Load	46.211	29.575	20.538	15.089	10.922	7.671	5.592	4.202	3.236
1.00	Single Spans	Imposed Load	34.172	17.496	10.125	6.376	4.272	3.000	2.187	1.643	1.266
		Wind Load	40.880	26.163	15.188	9.564	6.407	4.500	3.281	2.465	1.898
	Muti Spans	Imposed Load	51.100	32.704	19.104	12.031	8.060	5.660	4.126	3.100	2.388
		Wind Load	51.100	32.704	22.711	16.686	12.089	8.491	6.190	4.650	3.582

1. Wind Load = Wind Uplift (Deflection Limitation : Span/120)
2. Base Material Confirms to ASTM A653/G53M
3. Design Of Decking is based on AISI-2007

