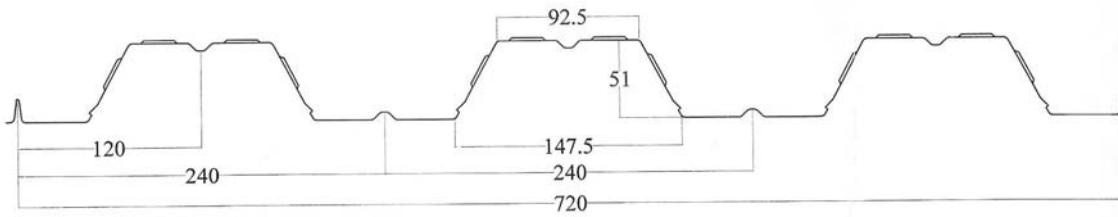


MP-DECKING PROFILE



PHYSICAL PROPERTIES

SN	t (mm)	Area (mm ²)	Weight (kg/m)	Ixx (cm ⁴)	Zxx (cm ³)
1	0.6	6.37	5.00	25.63	10.05
2	0.63	6.69	5.25	26.91	10.55
3	0.8	8.50	6.67	34.18	13.40
4	1	10.62	8.34	42.72	16.75
5	1.25	13.28	10.42	53.40	20.94
6	1.6	16.99	13.34	68.35	26.81
7	2	21.24	16.67	85.44	33.51

ALLOWABLE LOAD (kg/m²): Yield Stress of Material = 2400 kg/cm²

SN	t (mm)	Span (m)										
		1	1.2	1.4	1.5	1.6	1.75	2	2.5	3	3.5	4
1	0.6	2657	1845	1355	1181	1038	867	664	425	270	170	114
2	0.63	2790	1937	1423	1240	1090	911	697	446	283	179	120
3	0.8	3542	2460	1807	1574	1384	1157	886	567	360	227	152
4	1	4428	3075	2259	1968	1730	1446	1107	708	450	283	190
5	1.25	5535	3844	2824	2460	2162	1807	1384	886	562	354	237
6	1.6	7084	4920	3615	3149	2767	2313	1771	1134	720	453	304
7	2	8856	6150	4518	3936	3459	2892	2214	1417	900	567	380

ALLOWABLE LOAD (kg/m²): Yield Stress of Material = 3400 kg/cm²

SN	t (mm)	Span (m)										
		1	1.2	1.4	1.5	1.6	1.75	2	2.5	3	3.5	4
1	0.6	3759	2611	1918	1671	1469	1228	911	467	270	170	114
2	0.63	3947	2741	2014	1754	1542	1289	957	490	283	179	120
3	0.8	5013	3481	2557	2228	1958	1637	1215	622	360	227	152
4	1	6266	4351	3197	2785	2448	2046	1519	778	450	283	190
5	1.25	7832	5439	3996	3481	3059	2557	1898	972	562	354	237
6	1.6	10025	6962	5115	4456	3916	3274	2430	1244	720	453	304
7	2	12531	8702	6394	5570	4895	4092	3037	1555	900	567	380

Young's Modulus = 200 GPa.

Deflection Limit = Span/150 (IS 800 - 2007).

The sheets should span over minimum four supports.

The load shall be multiplied by 0.8 if the sheets are spanning over 2 or 3 supports.