

TECHNICAL DATA



TR 45/250 INSULATED ROOF & WALL SANDWICH PANEL

Technical Data Sheet													
Section Properties (Per Meter Width) Base Metal: Steel													
Thickness T (MM)	Cover Width (mm)	Nominal Weight (kg/m ²)	Area (cm ²)	Full Sect 1x (cm ⁴)	Elastic Modulus (E) (kN/cm ²)	Top in Compression				Bottom in Compression			
						I _{xet} (cm ⁴)	S _{x-Top} (cm ³)	S _{x-Bot} (CM ³)	Ma _{bx} (kNm)	I _{xet} (cm ⁴)	S _{x-Top} (cm ³)	S _{x-Bot} (CM ³)	Ma _{bx} (kNm)
0.40	1000	3.83	4.84	14.66	20300	11.20	3.40	9.03	0.46	10.82	4.45	5.12	0.60
0.50	1000	4.79	6.05	24.82	20300	15.66	4.95	11.28	0.67	14.18	5.65	6.95	0.77
0.60	1000	5.75	7.26	21.99	20300	20.54	6.74	13.58	0.92	17.63	6.86	8.86	0.93
0.70	1000	6.70	8.47	25.65	20300	24.85	8.52	15.92	1.12	21.21	8.08	10.91	1.10
0.80	1000	7.66	9.86	29.31	20300	28.69	9.55	18.19	1.30	24.90	9.30	13.08	1.27
0.90	1000	8.62	10.88	32.97	20300	32.56	10.86	20.45	1.48	28.70	10.54	15.37	1.44
1.00	1000	9.58	12.09	36.63	20300	36.39	12.14	22.68	1.65	32.57	11.77	17.76	1.60
1.20	1000	11.49	14.51	43.96	20300	43.85	14.61	27.10	1.99	50.56	14.26	22.83	1.94