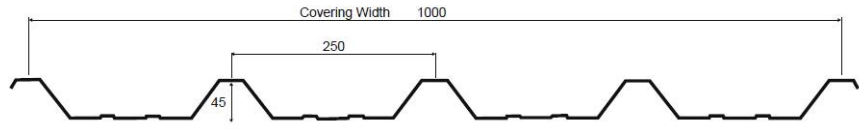
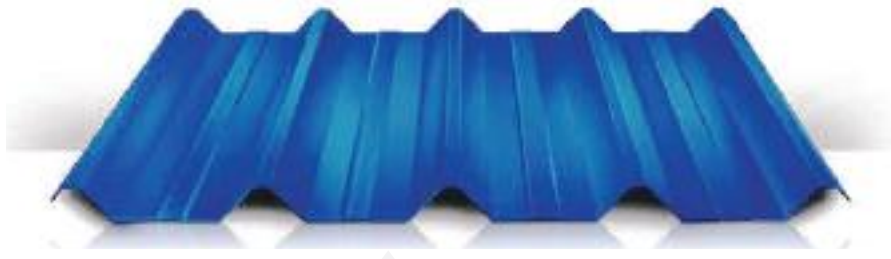




ISO THERM 45/250 PROFILE SHEETS



GI/STEEL

APPLICATION SPECIFICATION

- Roof & Wall Cladding
- Sheets are galvanized & Color coated steel
- Based Material confirms to ASTM A653 Z 75
- Hot dip galvanized with G90 or 275 GSM

- RAL Color, subject to availability
- Coating is regular polyester, 25mic/7mic
- Yield Strength 350 N/mm²
- Thickness from 0.4 mm to 0.7 mm

PROPERTIES & LOAD TABLES

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

Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
			ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	
mm	Kg/M ²	Cm ²	ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	Va KN
0.40	3.823	4.876	7.000	2.832	6.632	0.942	6.827	3.784	3.963	1.258	11.510
0.45	4.396	5.607	8.644	3.601	7.646	1.197	8.063	4.384	4.766	1.458	17.550
0.50	4.778	6.095	9.804	4.161	8.325	1.384	8.901	4.786	5.317	1.591	22.520
0.70	6.690	8.533	15.237	6.765	11.767	2.249	13.251	6.800	8.289	2.261	38.700

Ultimate Uniform Load Capacities(KN/m²)

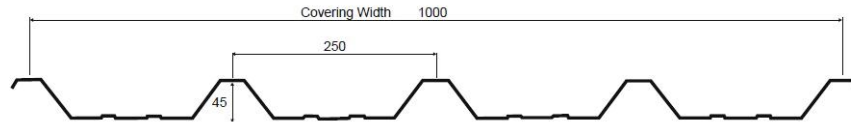
Thickness	No. of Spans	Load	Span in Meters										
			mm	No's	Case	1	1.25	1.5	1.75	2	2.25	2.5	2.75
0.40	Single Spans	Imposed Load		6.075	3.110	1.800	1.134	0.759	0.533	0.389	0.292	0.225	
		Wind Load		8.887	4.550	2.633	1.658	1.111	0.780	0.569	0.427	0.329	
	Muti Spans	Imposed Load		9.420	5.869	3.396	2.139	1.433	1.006	0.734	0.551	0.425	
		Wind Load		12.580	8.051	4.968	3.129	2.096	1.472	1.073	0.806	0.621	
	0.45	Single Spans	Imposed Load		7.502	3.841	2.223	1.400	0.938	0.659	0.480	0.361	0.278
			Wind Load		10.497	5.374	3.110	1.959	1.312	0.922	0.672	0.505	0.389
0.50	Muti Spans	Imposed Load		11.970	7.247	4.194	2.641	1.769	1.243	0.906	0.681	0.524	
		Wind Load		14.580	9.331	5.868	3.695	2.476	1.739	1.268	0.952	0.734	
0.70	Single Spans	Imposed Load		8.508	4.356	2.521	1.588	1.064	0.747	0.545	0.409	0.315	
		Wind Load		11.587	5.932	3.433	2.162	1.448	1.017	0.742	0.557	0.429	
0.70	Muti Spans	Imposed Load		13.840	8.219	4.756	2.995	2.007	1.409	1.027	0.722	0.595	
		Wind Load		15.910	10.182	6.478	4.079	2.733	1.919	1.399	1.051	0.810	
0.70	Single Spans	Imposed Load		13.223	6.770	3.918	2.467	1.653	1.161	0.846	0.636	0.490	
		Wind Load		17.250	8.832	5.111	3.219	2.156	1.514	1.104	0.829	0.639	
0.70	Muti Spans	Imposed Load		22.490	12.774	7.393	4.655	3.119	2.190	1.597	1.200	0.924	
		Wind Load		22.610	14.470	9.643	6.073	4.068	2.857	2.083	1.565	1.205	

1. Wind Load=Wind Uplift(Defelction Limitation : Span/120)
 2. Base Material Confirms to ASTM A653/653M





ISO THERM 45/250 PROFILE SHEETS



ALUMINIUM

APPLICATION SPECIFICATION

- Roof & Wall Cladding
- Based material conforms to Alloy AA 3015 temper H16
- Sheets available in regular polyester coated, Stucco embossed mill finish, plain mill finish, PVDF Coated subject to availability
- Polyester coating paint applied is 25 mic /7mic
- Color RAL color subject to availability
- Yield Strength 350 N/mm²

PROPERTIES & LOAD TABLES

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

Thickness mm	Weight Kg/M ²	Area Cm ²	Top in Compression				Bottom in Compression				Shear Va KN
			ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	
0.50	1.653	6.095	8.855	3.601	8.236	0.388	8.251	4.657	4.682	0.502	5.099
0.70	2.314	8.533	14.564	6.358	11.589	0.685	12.305	6.623	7.284	0.714	12.814
0.90	2.976	10.971	19.713	8.793	14.949	0.948	16.571	8.590	10.155	0.926	16.640
1.00	3.307	12.190	22.293	10.015	16.618	1.079	18.772	9.571	11.686	1.032	18.380

Ultimate Uniform Load Capacities(KN/m²)

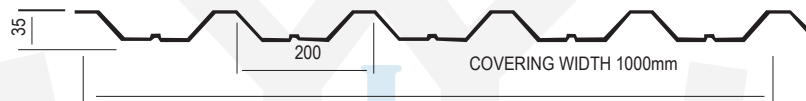
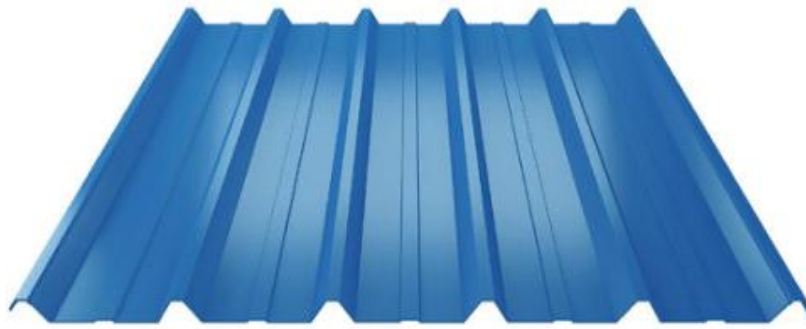
Thickness mm	No. of Spans No's	Load Case	Span in Meters									
			1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00	
0.50	Single Spans	Imposed Load	3.106	1.988	1.380	1.014	0.776	0.613	0.492	0.370	0.285	
		Wind Load	4.016	2.570	1.785	1.311	1.004	0.793	0.643	0.516	0.398	
	Multi Spans	Imposed Load	3.882	2.484	1.725	1.268	0.971	0.767	0.621	0.513	0.431	
		Wind Load	5.020	3.213	2.231	1.639	1.255	0.992	0.803	0.664	0.558	
0.70	Single Spans	Imposed Load	5.480	3.507	2.436	1.789	1.370	1.082	0.809	0.608	0.468	
		Wind Load	5.712	3.656	2.539	1.865	1.428	1.128	0.914	0.755	0.593	
	Multi Spans	Imposed Load	6.850	4.384	3.044	2.237	1.713	1.353	1.096	0.906	0.761	
		Wind Load	7.140	4.570	3.173	2.331	1.785	1.410	1.142	0.944	0.793	
0.90	Single Spans	Imposed Load	7.584	4.854	3.371	2.476	1.896	1.498	1.095	0.823	0.634	
		Wind Load	7.408	4.741	3.292	2.419	1.852	1.463	1.185	0.980	0.799	
	Multi Spans	Imposed Load	9.480	6.067	4.213	3.096	2.370	1.873	1.517	1.254	1.053	
		Wind Load	9.260	5.926	4.116	3.024	2.315	1.829	1.482	1.224	1.029	
1.00	Single Spans	Imposed Load	8.632	5.524	3.836	2.819	2.158	1.699	1.238	0.930	0.717	
		Wind Load	8.256	5.284	3.669	2.696	2.064	1.631	1.321	1.092	0.905	
	Multi Spans	Imposed Load	10.790	6.906	4.796	3.523	2.698	2.131	1.726	1.427	1.199	
		Wind Load	10.320	6.605	4.587	3.370	2.580	2.039	1.651	1.365	1.147	

1. Sheeting design is based on AISI -2001 (AD-Allowable Stress Design)
2. Imposed Load = Dead Load + Live Load (Deflection Limitation : Span/180)
3. Wind Load = Wind Uplift (Deflection Limitation : Span/120)





ISO THERM 35/200 PROFILE SHEETS



GI/STEEL

APPLICATION SPECIFICATION

- Roof & Wall Cladding
- RAL Color, subject to availability
- Sheets are galvanized & Color coated steel
- Coating is regular polyester, 20mic/5mic
- Based Material confirms to ASTM A653 Z 75
- Yield Strength 350 N/mm²
- Hot dip galvanized with G90 or 275 GSM
- Thickness from 0.4 mm to 0.7 mm

PROPERTIES & LOAD TABLES

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

Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
			ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	
mm	Kg/M ²	Cm ²	ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	Va KN
0.40	3.823	4.876	7.000	2.832	6.632	0.942	6.827	3.784	3.963	1.258	11.510
0.45	4.396	5.607	8.644	3.601	7.646	1.197	8.063	4.384	4.766	1.458	17.550
0.50	4.778	6.095	9.804	4.161	8.325	1.384	8.901	4.786	5.317	1.591	22.520
0.70	6.690	8.533	15.237	6.765	11.767	2.249	13.251	6.800	8.289	2.261	38.700

Ultimate Uniform Load Capacities(KN/m²)

Thickness	No. of Spans	Load	Span in Meters											
			mm	No's	Case	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00
						Imposed Load	Wind Load	Imposed Load	Wind Load	Imposed Load	Wind Load	Imposed Load	Wind Load	Imposed Load
0.40	Single Spans	Imposed Load	6.075	3.110	1.800	1.134	0.759	0.533	0.389	0.292	0.225			
		Wind Load	8.887	4.550	2.633	1.658	1.111	0.780	0.569	0.427	0.329			
	Muti Spans	Imposed Load	9.420	5.869	3.396	2.139	1.433	1.006	0.734	0.551	0.425			
		Wind Load	12.580	8.051	4.968	3.129	2.096	1.472	1.073	0.806	0.621			
0.45	Single Spans	Imposed Load	7.502	3.841	2.223	1.400	0.938	0.659	0.480	0.361	0.278			
		Wind Load	10.497	5.374	3.110	1.959	1.312	0.922	0.672	0.505	0.389			
	Muti Spans	Imposed Load	11.970	7.247	4.194	2.641	1.769	1.243	0.906	0.681	0.524			
		Wind Load	14.580	9.331	5.868	3.695	2.476	1.739	1.268	0.952	0.734			
0.50	Single Spans	Imposed Load	8.508	4.356	2.521	1.588	1.064	0.747	0.545	0.409	0.315			
		Wind Load	11.587	5.932	3.433	2.162	1.448	1.017	0.742	0.557	0.429			
	Muti Spans	Imposed Load	13.840	8.219	4.756	2.995	2.007	1.409	1.027	0.722	0.595			
		Wind Load	15.910	10.182	6.478	4.079	2.733	1.919	1.399	1.051	0.810			
0.70	Single Spans	Imposed Load	13.223	6.770	3.918	2.467	1.653	1.161	0.846	0.636	0.490			
		Wind Load	17.250	8.832	5.111	3.219	2.156	1.514	1.104	0.829	0.639			
	Muti Spans	Imposed Load	22.490	12.774	7.393	4.655	3.119	2.190	1.597	1.200	0.924			
		Wind Load	22.610	14.470	9.643	6.073	4.068	2.857	2.083	1.565	1.205			

1. Wind Load = Wind Uplift (Deflection Limitation : Span/120)
 2. Base Material Confirms to ASTM A653/653M





ISO THERM 35/200 PROFILE SHEETS



ALUMINIUM

APPLICATION SPECIFICATION

- Roof & Wall Cladding
- Based material conforms to Alloy AA 3015 temper H16
- Sheets available in regular polyester coated, Stucco embossed mill finish, plain mill finish, PVDF Coated subject to availability
- Polyester coating paint applied is 25 mic /7mic
- RAL color subject to availability

PROPERTIES & LOAD TABLES

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

Thickness mm	Weight Kg/M ²	Area Cm ²	Top in Compression				Bottom in Compression				Shear Va KN
			ix cm ⁴	Sx Top cm ³	Sx Top cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	
0.50	1.653	6.095	8.855	3.601	8.236	0.388	8.251	4.657	4.682	0.502	5.099
0.70	2.314	8.533	14.564	6.358	11.589	0.685	12.305	6.623	7.284	0.714	12.814
0.90	2.976	10.971	19.713	8.793	14.949	0.948	16.571	8.590	10.155	0.926	16.640
1.00	3.307	12.190	22.293	10.015	16.618	1.079	18.772	9.571	11.686	1.032	18.380

Ultimate Uniform Load Capacities(KN/m²)

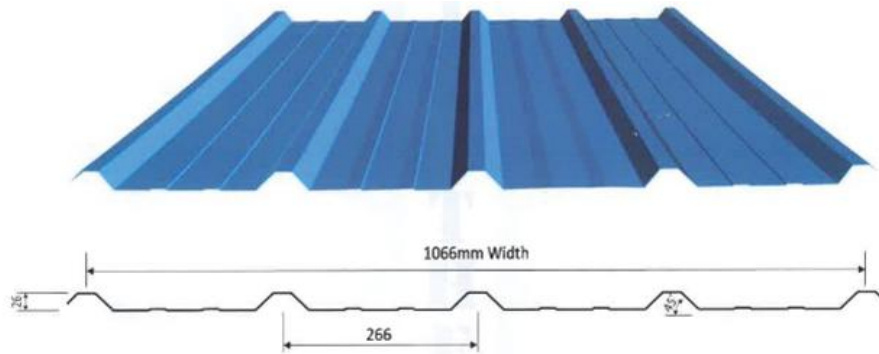
Thickness mm	No. of Spans No's	Load Case	Span in Meters									
			1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00	
0.50	Single Spans	Imposed Load	3.106	1.988	1.380	1.014	0.776	0.613	0.492	0.370	0.285	
		Wind Load	4.016	2.570	1.785	1.311	1.004	0.793	0.643	0.516	0.398	
	Multi Spans	Imposed Load	3.882	2.484	1.725	1.268	0.971	0.767	0.621	0.513	0.431	
		Wind Load	5.020	3.213	2.231	1.639	1.255	0.992	0.803	0.664	0.558	
0.70	Single Spans	Imposed Load	5.480	3.507	2.436	1.789	1.370	1.082	0.809	0.608	0.468	
		Wind Load	5.712	3.656	2.539	1.865	1.428	1.128	0.914	0.755	0.593	
	Multi Spans	Imposed Load	6.850	4.384	3.044	2.237	1.713	1.353	1.096	0.906	0.761	
		Wind Load	7.140	4.570	3.173	2.331	1.785	1.410	1.142	0.944	0.793	
0.90	Single Spans	Imposed Load	7.584	4.854	3.371	2.476	1.896	1.498	1.095	0.823	0.634	
		Wind Load	7.408	4.741	3.292	2.419	1.852	1.463	1.185	0.980	0.799	
	Multi Spans	Imposed Load	9.480	6.067	4.213	3.096	2.370	1.873	1.517	1.254	1.053	
		Wind Load	9.260	5.926	4.116	3.024	2.315	1.829	1.482	1.224	1.029	
1.00	Single Spans	Imposed Load	8.632	5.524	3.836	2.819	2.158	1.699	1.238	0.930	0.717	
		Wind Load	8.256	5.284	3.669	2.696	2.064	1.631	1.321	1.092	0.905	
	Multi Spans	Imposed Load	10.790	6.906	4.796	3.523	2.698	2.131	1.726	1.427	1.199	
		Wind Load	10.320	6.605	4.587	3.370	2.580	2.039	1.651	1.365	1.147	

1. Sheeting design is based on AISI -2001 (AD-Allowable Stress Design)
2. Imposed Load =Dead Load + Live Load(Deflection Limitation :Span/180)
3. Wind Load =Wind Uplift (Deflection Limitation : Span/120)





ISO THERM 26/266 PROFILE SHEETS



ALUMINIUM

APPLICATION SPECIFICATION

ISO THERM 26/266 Profile sheets are high quality metal sheets with most economical design, have been conceived to meet design engineers' and building contractors' requirements in terms of being aesthetically pleasant and absolutely leak proof.

Material : Alu Zinc / Galvanized Steel / Aluminium

Thickness : 0.35 mm to 0.70 mm thick

Length : 300 mm to 12000 mm

Width : 1066 mm

USAGE : ROOF AND WALL CLADDING ALLOWABLE WORKING LOADS (N/m²)

Thickness(mm)	0.5		0.6		0.7		0.8		0.9	
MI (mm ⁴ /m)	37959		45032		52053		58876		65553	
Weight (kg/m ²)	1.632		1.959		2.285		2.612		2.938	
Zx Top(mm ³ /m)	1895		2253		2605		2950		3289	
Zx Bott(mm ³ /m)	7644		9031		10373		11671		12927	
Span(mm)	S	M	S	M	S	M	S	M	S	M
1000	839	1049	998	1247	1154	1442	1307	1633	1457	1821
1250	522	671	620	798	716	923	810	1045	902	1165
1500	302	466	309	554	415	611	469	726	522	809
1750	190	305	226	362	261	418	295	472	329	526
1750	128	204	151	242	175	280	198	317	220	352

S= Single Span
M= Multi Span

DEFLECTION : L/200
CAN PRODUCE ANY LENGTH UP TO 12 METER WITH WIDTH OF 1.066 METER

