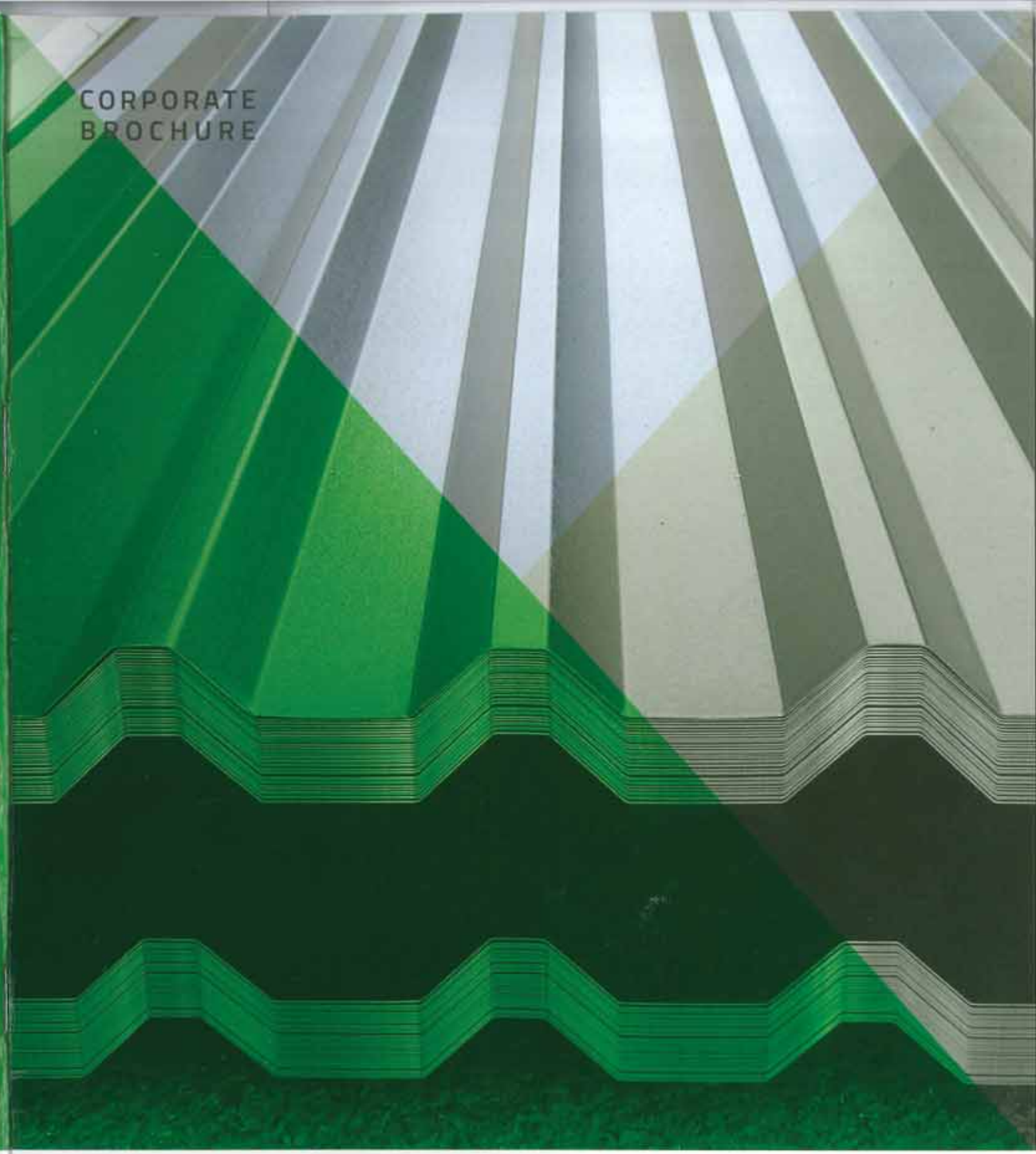
TMPF



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TMPF

TECHNICAL METALIC PROFILES FACTORY LLC

Process Our Success

As a diversified holding company we are active in wide range of industries including Aluminium rolling, profile, construction and packaging materials.

Our corporate culture excellence make TMPF a dynamic growing company with dedicated team, right solutions, high quality, customer satisfaction and great value which differentiate us within the industry.

Our values include integrity, respect for the individual, open and honest communication, partnering, innovation and excellence.

We strive for the leadership role in this industry and we would like your organization to be part of our journey and part of our extensive partners in the region.

With warm regards

Fayez Ali Heeba
Chairman

TMPF

CLADDING

Corrugated Sheets ▪ Insulated panels

ABOUT US

WE WILL BRING YOU IDEAS TO LIFE

Having its presence felt in UAE over a period of last 20 years in the field of construction. A large conglomerate Al Alaa Contracting & Metal Construction LLC decided to have the offshoot Technical Metalic as a part of the diversification plan.

Given the expertise of the people in the field of sheet metal and construction it was natural to go in for the sheet metal and business allied to the construction industries.

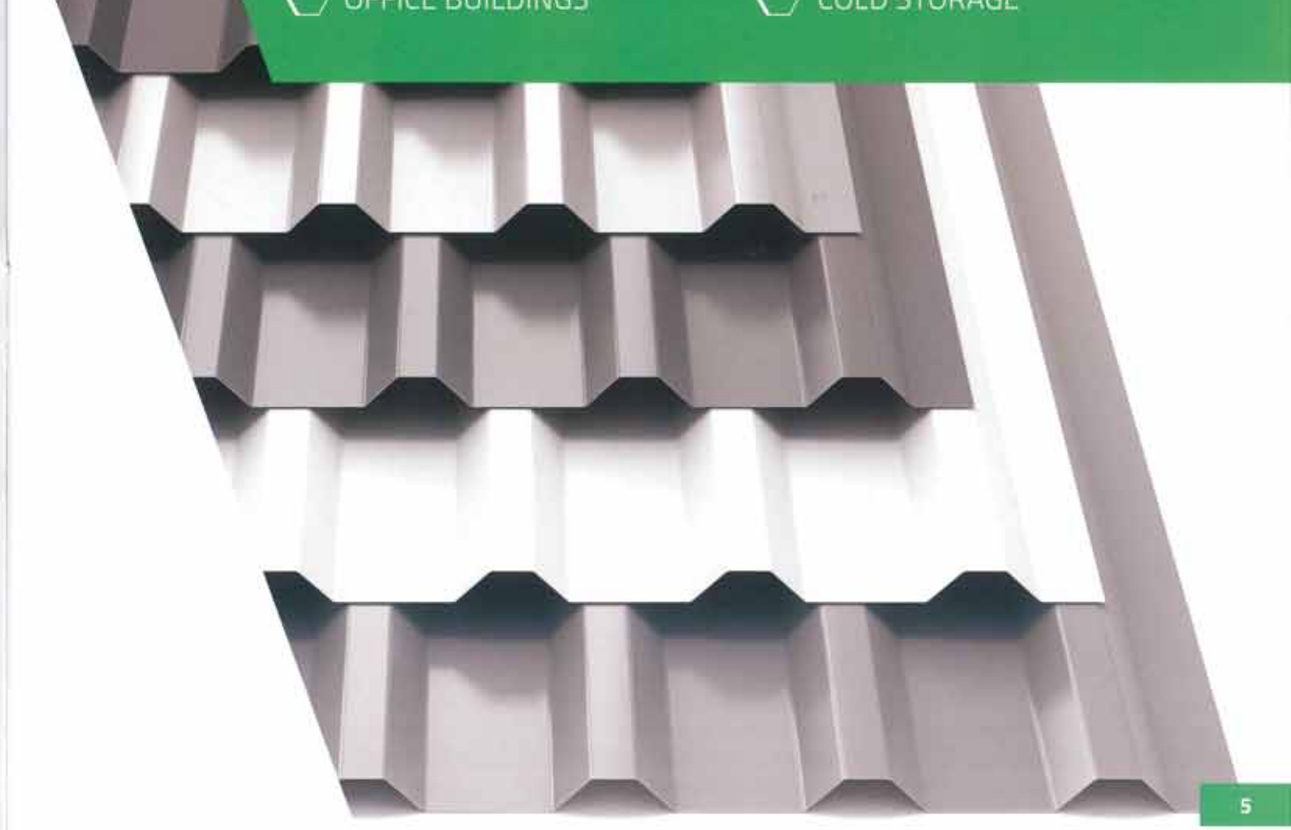
Today after 7 years of its establishment TMPF now have

- 4 Different single skin profiles with production capacity of more that 6 million M2/PA.
- 6 Polyurethane Sandwich Panel presses with production capacity of 1 million M2/PA.
- Fully automated Z&C machine with each machine 2 million Mts/PA production capacity.
- Quick Fix Anti Sag Rod machine with production capacity of 1 million Mts/PA.
- 150 number Technical work force with more than decades of profiles industry experience.

This establishes TMPF's position as largest profile manufacturer in the Emirates. Our client base extends all over UAE to neighboring countries like Oman, Qatar and Saudi Arabia... This has been possible because of the acquaintance with the market, leadership and continuous training and guidance of manpower at all level.At TMPF the sole emphasis is on:

- Quality at all cost
- Service & commitment is utmost important
- Customer is king
- Long term relationship
- Reasonable costing.

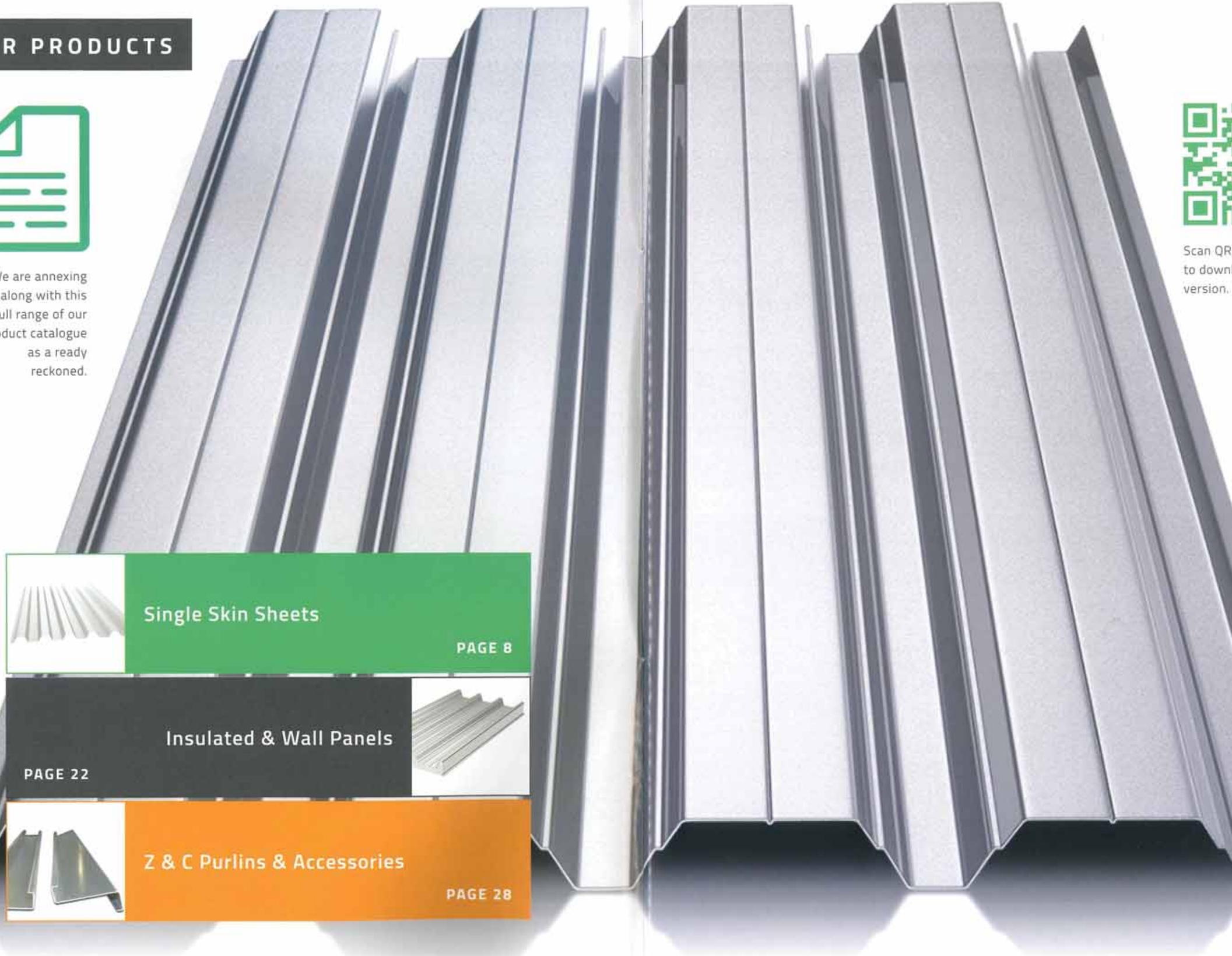
- FACTORIES
- SCHOOLS & RESTAURANTS
- SUPER MARKETS
- WORK SHOPS
- OFFICE BUILDINGS
- SPORTS HALLS
- COMMERCIAL SHOW ROOMS
- AIR CRAFT HANGERS
- GARAGES
- COLD STORAGE



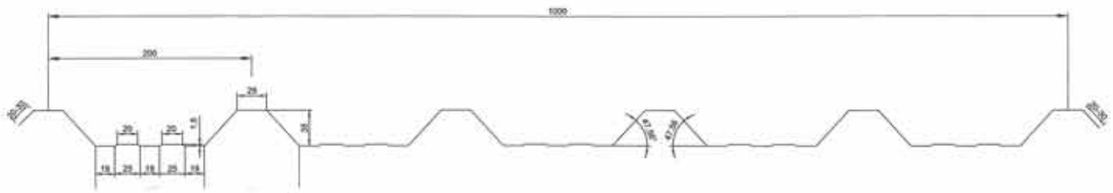
OUR PRODUCTS

We are annexing along with this full range of our product catalogue as a ready reckoned.

Scan QR Code to download PDF version.



TMPF – 35/200
PRE PAINTED ALUMINUM PROFILE - SINGLE SKIN SHEETS



Section Properties (Per Meter of Coverage Width)											
Thickness	Weight	Area	Top in	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Bottom in	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Shear
mm	Kg/m²	cm²	ix cm⁴				ix cm⁴				Va KN
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	3.303	12.190	22.293	10.015	16.618	1.079	18.772	9.571	11.686	1.032	18.380

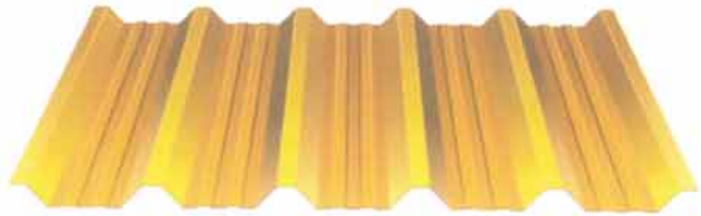
Allowable Uniform Load Capacities (KN/m²)											
Thickness	No. of Spans	Load	Span in Meters								
mm	No's	Case	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00
0.50	Single Spans	Imposed Load	3.106	1.988	1.380	1.014	0.776	0.613	0.492	0.370	0.285
		Wind Load	4.016	2.570	1.785	1.311	1.004	0.793	0.643	0.516	0.398
	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	8.715	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

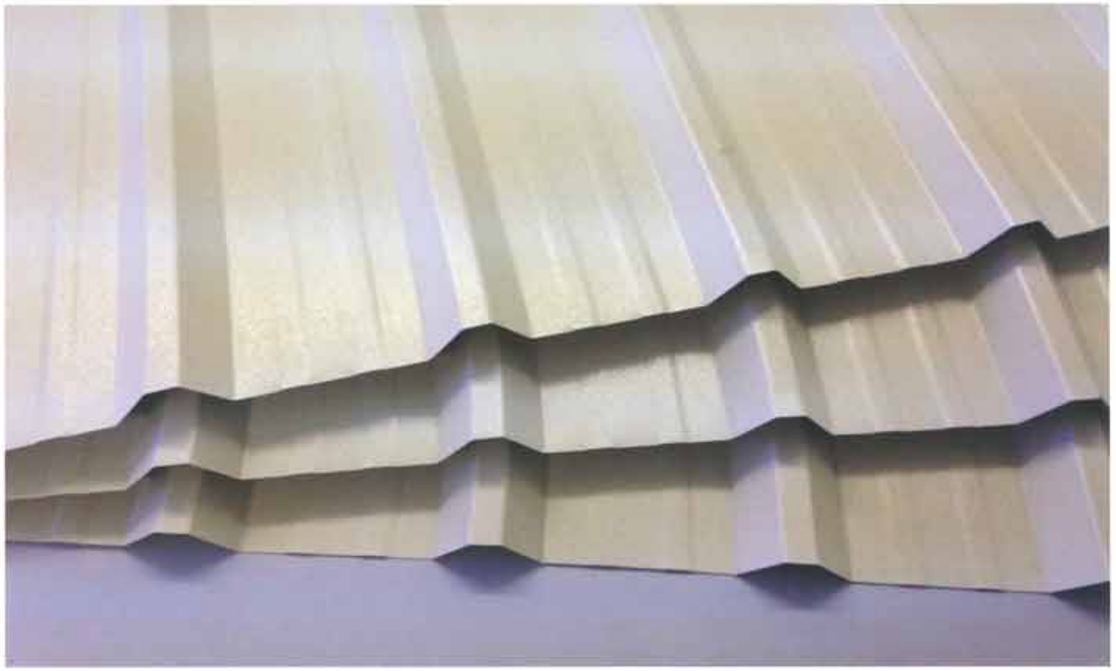
1. Sheeting design is based on ANSI - 2001 (AD - Allowable Stress Design)
2. Imposed Load = Dead Load + Live Load (Deflection Limitation: Span/180)
3. Wind Load = Wind Uplift (Deflection Limitation: Span/120)

Application Specification

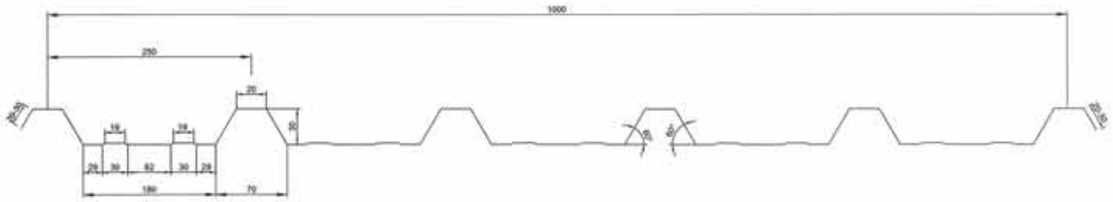
Roof & Wall Cladding
Based Material confirms to Alloy AA 3105 temper H16
Sheets available in regular polyester coated, Stucco embossed Mill finish Plain Mill finish, PVDF Coated subject to availability.

Polyster coating paint applied is 25mic/7mic
Color RAL Color, subject to availability
Yield Strength 180 N/mm2





TMPF – 30/250
PRE PAINTED ALUMINUM PROFILE - SINGLE SKIN SHEETS



Section Properties (Per Meter of Coverage Width)											
Thickness	Weight	Area	Top in	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Bottom in	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Shear
mm	Kg/m²	cm²	ix cm⁴				ix cm⁴				Va KN
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	3.303	12.190	22.293	10.015	16.618	1.079	18.772	9.571	11.686	1.032	18.380

Allowable 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
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	8.715	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 ANSI - 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)

Application Specification

Roof & Wall Cladding
Based Material confirms to Alloy AA 3105 temper H16
Sheets available in regular polyester coated, Stucco embossed Mill finish Plain Mill finish, PVDF Coated subject to availability.

Polyster coating paint applied is 25mic/7mic
Color RAL Color, subject to availability
Yield Strength 180 N/mm2

TMPF – 45/150
MILL FINISH ALUMINUM PROFILE - SINGLE SKIN SHEETS

Section Properties (Per Meter of Coverage Width)											
Thickness	Weight	Area	Top in Compression				Top in Compression				Shear
mm	Kg/m²	cm²	ix cm⁴	cm³	cm³	cm³	ix cm⁴	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Va KN
0.50	1.837	6.772	17.017	6.420	9.050	0.692	17.898	7.921	7.879	0.849	5.370
0.70	2.572	9.481	26.481	10.652	12.869	1.148	26.255	11.237	11.894	1.211	14.769
0.90	3.306	12.190	35.309	14.506	16.639	1.563	34.826	14.541	16.113	1.568	27.433
1.00	3.474	13.544	39.376	16.221	18.443	1.749	39.120	16.177	18.244	1.743	31.189

Allowable 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
0.50	Single Spans	Imposed Load	5.536	3.543	2.460	1.808	1.384	1.094	0.886	0.710	0.547
		Wind Load	4.794	4.348	3.019	2.218	1.698	1.342	1.087	0.898	0.755
	Multi Spans	Imposed Load	6.920	4.429	3.076	2.260	1.730	1.367	1.107	0.915	0.769
		Wind Load	8.492	5.435	3.774	2.773	2.123	1.677	1.359	1.123	0.944
0.70	Single Spans	Imposed Load	9.184	5.877	4.081	2.998	2.296	1.814	1.469	1.105	0.851
		Wind Load	9.689	6.201	4.306	3.164	2.422	1.914	1.550	1.281	1.077
	Multi Spans	Imposed Load	11.478	7.346	5.101	3.748	2.869	2.267	1.836	1.518	1.275
		Wind Load	12.111	7.751	5.383	3.955	3.028	2.392	1.938	1.601	1.346
0.90	Single Spans	Imposed Load	12.507	8.004	5.559	4.084	3.127	2.470	1.961	1.473	1.135
		Wind Load	12.542	8.027	5.574	4.095	3.136	2.477	2.007	1.658	1.394
	Multi Spans	Imposed Load	15.633	10.005	6.948	5.105	3.908	3.088	2.501	2.067	1.737
		Wind Load	15.678	10.034	6.968	5.119	3.919	3.097	2.508	2.073	1.742
1.00	Single Spans	Imposed Load	13.991	8.954	6.218	4.569	3.498	2.764	2.187	1.643	1.266
		Wind Load	13.947	8.926	9.199	4.554	3.487	2.755	2.231	1.844	1.550
	Multi Spans	Imposed Load	17.489	11.193	7.773	5.711	4.372	3.455	2.798	2.313	1.943
		Wind Load	17.433	11.157	9.748	5.693	4.358	3.444	2.789	2.305	1.937

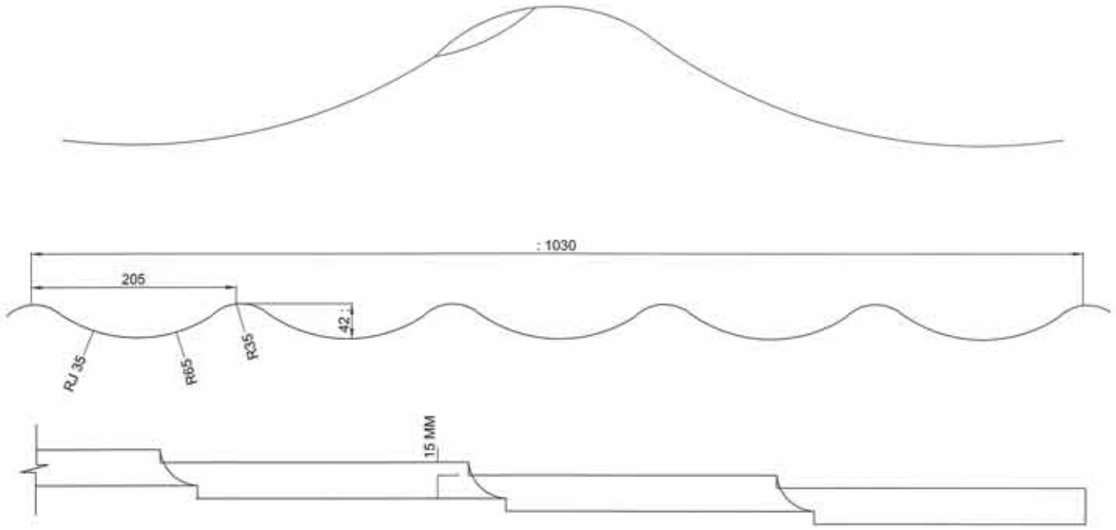
1. Sheeting design is based on ANSI - 2001 (AD - Allowable Stress Design)
2. Imposed Load = Dead Load + Live Load (Deflection Limitation: Span/180)
3. Wind Load = Wind Uplift (Deflection Limitation: Span/120)

Application Specification

Roof & Wall Cladding
Based Material confirms to Alloy AA 3105 temper H16
Sheets available in regular polyester coated, Stucco embossed Mill finish Plain Mill finish, PVDF Coated subject to availability.

Polyster coating paint applied is 25mic/7mic
Color RAL Color, subject to availability
Yield Strength 180 N/mm2

TMPF – 42/205
PRE PAINTED ALUMINUM PROFILE - SINGLE SKIN SHEETS - TILE



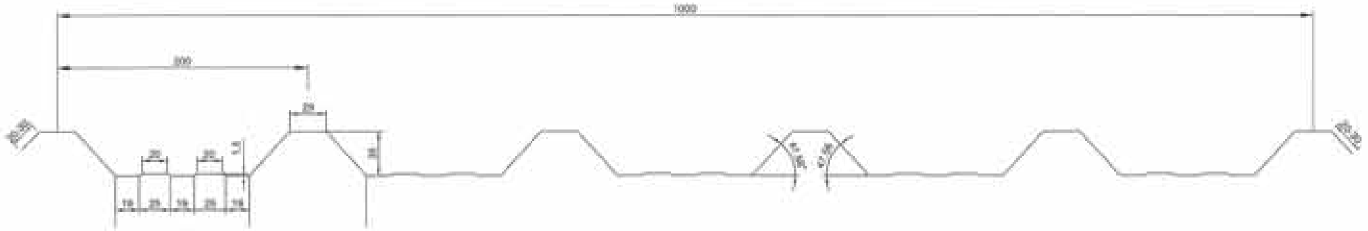
ALUMINIUM ULTIMATE UNIFIRM LOAD CAPACITIES (KN/M²)										
Thickness	Weight		No. of Spans				Span in Meters			
mm	Kg/m²	No's	1	1.25	1.5	1.75	2	2.25	2.5	2.75
0.50	1.653	Single Spans	4.87	2.42	1.46	0.90	0.59	0.43	0.31	0.20
		Multi Spans	6.91	4.46	3.12	2.31	1.69	2.20	0.87	0.52
0.70	2.662	Single Spans	6.59	3.27	1.97	1.25	0.86	0.57	0.42	0.31
		Multi Spans	9.62	6.15	4.28	3.16	2.39	1.67	1.21	0.86
0.80	2.314	Single Spans	7.53	3.86	2.26	1.41	0.96	0.67	0.49	0.37
		Multi Spans	10.95	7.01	4.88	3.59	2.68	2.16	1.38	0.92

Application Specification

Roof & Wall Cladding
Based Material confirms to Alloy AA 3105 temper H16/EN10147 Fe 350Z27/ASTM A653 GD 350 G 90
Sheds available in regular polyester coated, stucco embossed Mill finish plain Mill finish, PVDF Coated subject to availability

Polyester coating paint applied in 25mic/7mic
Color RAL Color, subject to availability
Yield strength for Aluminum 180 N/mm2
Yield strength for Steel 350 N/mm2

TMPF - 35/200
PRE PAINTED STEEL (GI) PROFILE - SINGLE SKIN SHEET



Section Properties (Per Meter of Coverage Width)

Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
mm	Kg/m²	cm²	Ix cm⁴	Sx Top cm³	x Bottom cn	Ma KN-m	Ix cm⁴	Sx Top cm³	Sx Bottom cm³	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
0.46	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 (KM/m²)

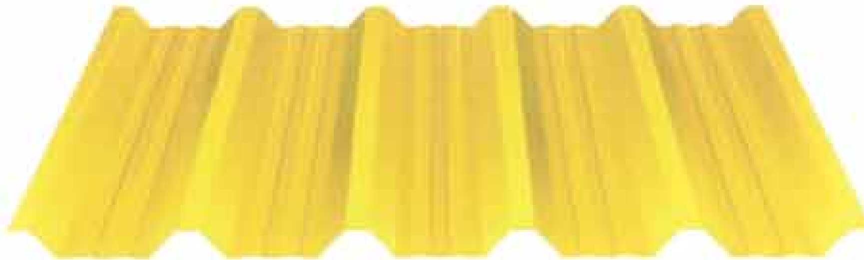
Thickness	No. of Spans	Load	Span in Meters								
mm	No's	Case	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00
0.40	Single Spans	Imposed Load	6.075	3.110	1.800	1.134	0.759	0.533	0.389	0.292	0.225
		Wind Load	8.887	4.550	2.633	1.658	1.111	0.780	0.569	0.427	0.329
	Multi Spans	Imposed Load	9.420	5.869	3.396	2.139	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
0.46	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
	Multi 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
	Multi Spans	Imposed Load	13.840	8.219	4.756	2.995	2.007	1.409	1.027	0.772	0.595
		Wind Load	15.910	10.182	6.478	4.076	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
	Multi 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. Sheeting design is based on ANSI - 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)

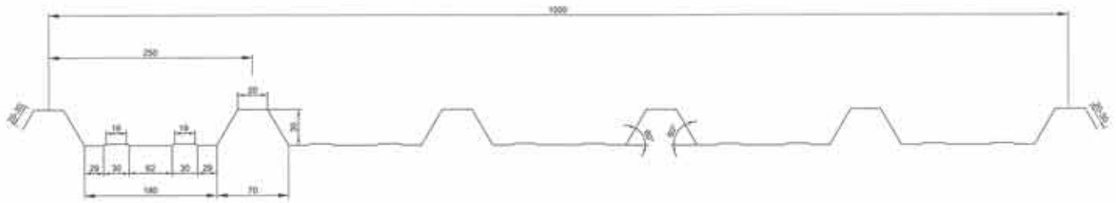
Application Specification

Roof & Wall Cladding
Sheets are galvanized & Color coated steel
Based Material confirms to EN10147 Fe 350 Z27/ ASTM A653 GD 350 G 90
Hot dip galvanized to G90/60 or Z27/Z18 coating

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



TMPF - 30/250
PRE PAINTED STEEL (GI) PROFILE - SINGLE SKIN SHEET



Section Properties (Per Meter of Coverage Width)											
Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
mm	Kg/m²	cm²	ix cm⁴	Sx Top cm³	x Bottom cm	Ma KN-m	ix cm⁴	Sx Top cm³	Sx Bottom cm³	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
0.46	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 (KM/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
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
	Multi 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
0.46	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
	Multi 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
	Multi Spans	Imposed Load	13.840	8.219	4.756	2.995	2.007	1.409	1.027	0.772	0.595
		Wind Load	15.910	10.182	6.478	4.076	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
	Multi 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. Sheeting design is based on ANSI - 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)

Application Specification

Roof & Wall Cladding
Sheets are galvanized & Color coated steel
Based Material confirms to EN10147 Fe 350 Z27/ ASTM A653 GD 350 G 90
Hot dip galvanized to G90/60 or Z27/Z18 coating

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

TMPF - 45/150
MILL FINISH STEEL (GI) PROFILE - SINGLE SKIN SHEET

Section Properties (Per Meter of Coverage Width)											
Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
mm	Kg/m²	cm²	ix cm⁴	Sx Top cm³	Bottom cm	Ma KN-m	ix cm⁴	Sx Top cm³	Sx Bottom cm³	Ma KN-m	Va KN
0.70	7.433	9.481	27.414	11.227	13.042	3.733	27.512	11.457	12.842	3.809	60.056
0.80	8.495	10.836	31.744	13.227	14.921	4.128	31.699	13.096	14.886	4.126	74.122
0.90	9.557	12.190	35.576	14.671	16.692	4.621	35.576	14.671	16.962	4.621	83.178
1.00	10.619	13.544	39.376	16.221	18.443	5.110	39.376	16.221	18.443	5.110	92.189

Ultimate Uniform Load Capacities (KM/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
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
	Multi 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
	Multi Spans	Imposed Load	41.278	26.418	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
	Multi 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
	Multi 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

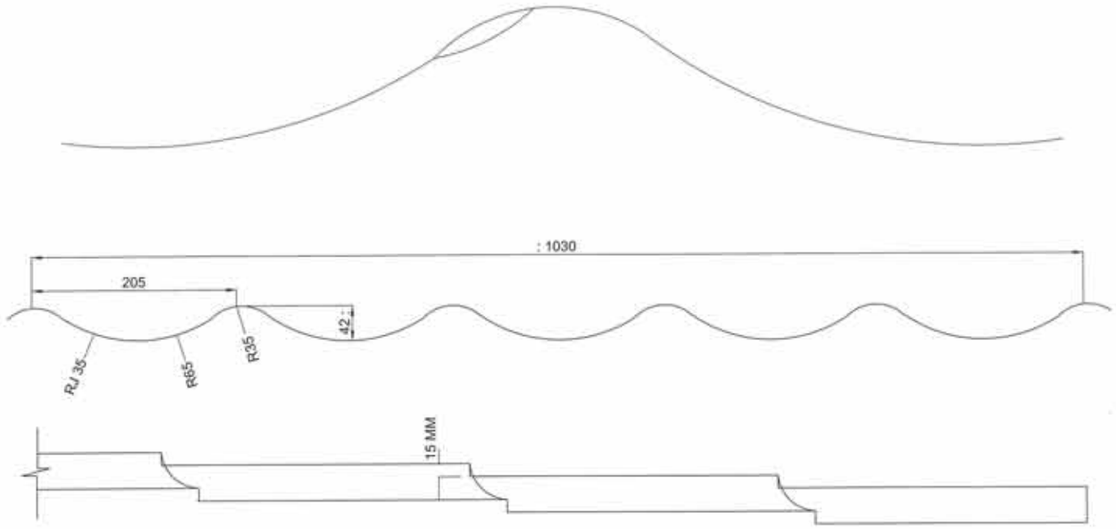
1. Sheeting design is based on ANSI - 2001 (AD - Allowable Stress Design)
2. Imposed Load = Dead Load + Live Load (Deflection Limitation: Span/180)
3. Wind Load = Wind Uplift (Deflection Limitation: Span/120)

Application Specification

Roof & Wall Cladding
Sheets are galvanized & Color coated steel
Based Material confirms to EN10147 Fe 350 Z27/ ASTM A653 GD 350 G 90
Hot dip galvanized to G90/60 or Z27/Z18 coating

Color RAL Color, subject to availability
Coating is regular polyester, 25mic/7mic
Yield Strength 350 N/mm2
Thickness from 0.7 mm to 1.0mm

TMPF - 42/205
PRE PAINTED STEEL (GI) PROFILE - SINGLE SKIN SHEET - TILE



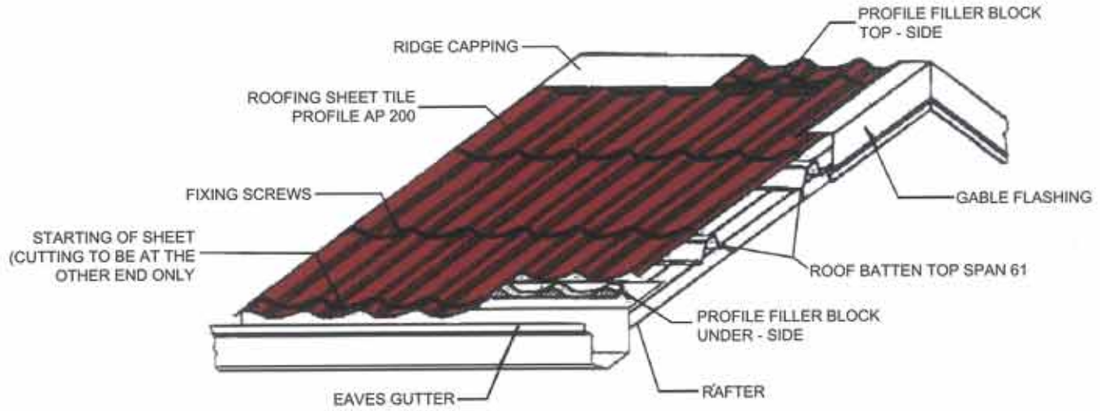
Application Specification

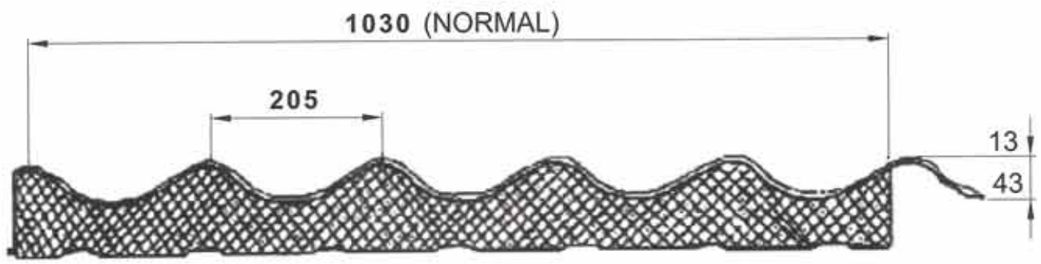
Roof & Wall Cladding
Based Material confirms to Alloy AA 3105 temper H16/EN10147 Fe 350Z27/ASTM A653 GD 350 G 90
Sheds available in regular polyester coated, stucco embossed Mill finish plain Mill finish, PVDF Coated subject to availability

Polyester coating paint applied in 25mic/7mic
Color RAL Color, subject to availability
Yield strength for Aluminum 180 N/mm2
Yield strength for Steel 350 N/mm2

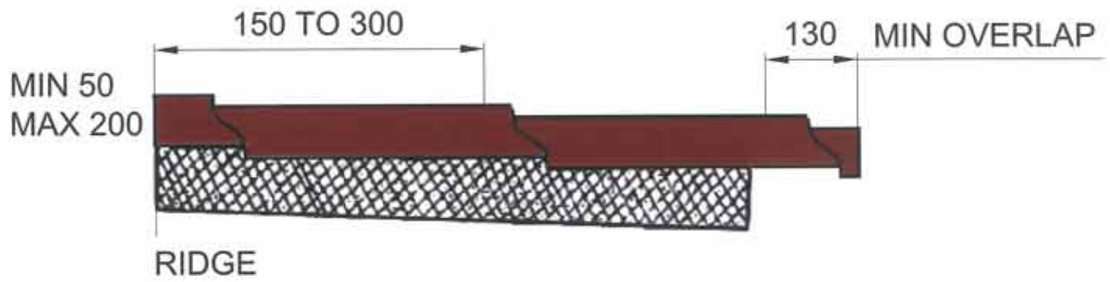
STEEL ULTIMATE UNIFIRM LOAD CAPACITIES (KN/M²)										
Thickness	Weight		No. of Spans				Span in Meters			
mm	Kg/m²	No's	1	1.25	1.5	1.75	2	2.25	2.5	2.75
0.50	1.653	Single Spans	8.35	5.37	3.71	2.58	1.75	1.24	0.89	0.48
		Multi Spans	10.41	6.68	4.65	3.42	2.63	2.09	1.70	1.31
0.70	2.314	Single Spans	11.60	7.43	5.20	3.59	2.43	1.72	1.26	0.91
		Multi Spans	14.50	9.29	6.45	4.75	3.65	2.90	2.35	1.73
0.80	2.662	Single Spans	13.21	8.47	5.89	4.11	2.77	1.96	1.44	1.12
		Multi Spans	16.53	10.59	7.38	5.42	4.15	3.30	2.68	1.92

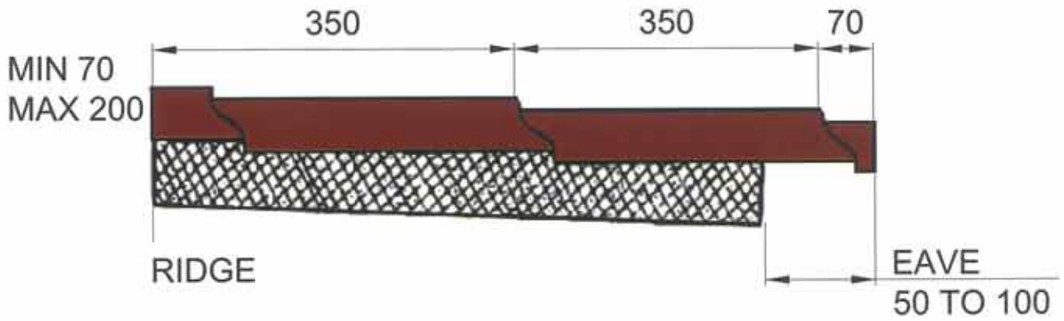
TILE PROFILE ON A TYPICAL LIGHT STEEL ROOF STRUCTURE





TILE PROFILE



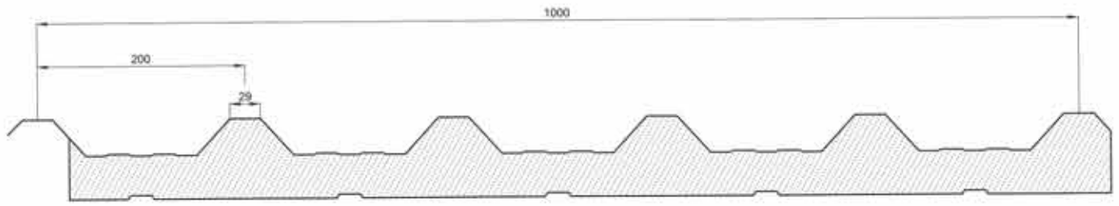


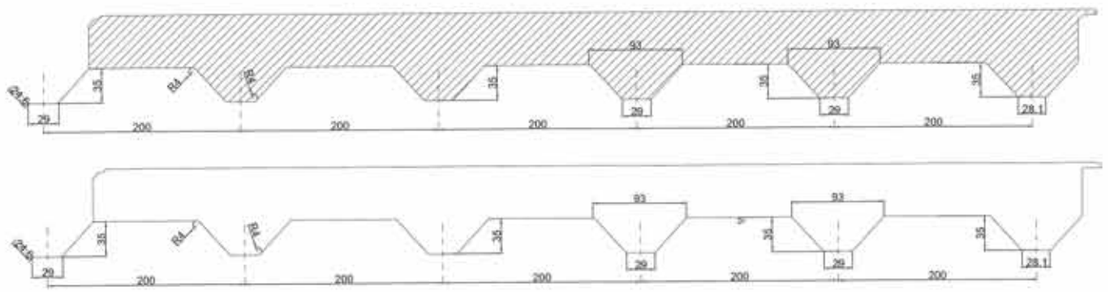
TMPF – 35/200 & TMPF - 45/150
PRE PAINTED ALUMINUM & GI PROFILE - INSULATED PANEL

TMPF Insulated Panels are produced using factory injected Polyurethane foam with external & internal sheets in both Steel & Aluminum of various thickness coating & colors and for two types, Continuous & Discontinuous.

TMPF Insulated Panels four component and PIR **certified Type B2/B3 Biosafety** and E Class for fire.

The insulation thickness range from 50mm, 75mm, 100mm with density of 35Kgs/m3 to 40 Kgs/m3.





U VALUES	
PU THICKNESS	W/M2 C
50 mm	0.38
75 mm	0.25
100 mm	0.19

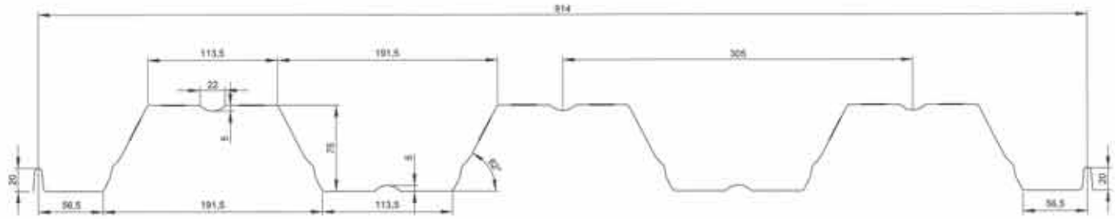
Our Profiles	Standard TMPF Profile Sheet
Color	Standard RAL Colors
Liner	Aluminium Foil Paper, Ribbed Steel & Aluminium Sheet
Coating	Regular Polyester Coating

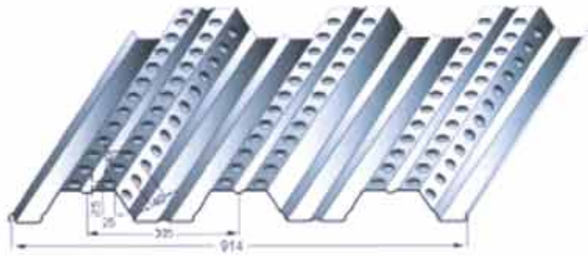
TMPF – 75/305
MILL FINISH GI PROFILE - DECKING SHEET

Section Properties (Per Meter of Coverage Width)										
Thickness	Weight	Area	Top in Compression				Bottom in Compression			
mm	Kg/m²	cm²	ix cm⁴	Sx Top cm³	Bottom cm	Ma KN-m	ix cm⁴	Sx Top cm³	Sx Bottom cm³	Ma KN-m
0.70	7.283	9.290	71.761	16.687	22.162	5.548	66.660	20.702	15.437	5.133
0.80	8.322	10.614	87.284	21.077	25.650	7.008	78.133	23.832	18.317	6.091
0.90	9.360	11.939	99.980	27.351	29.028	8.096	89.308	26.978	21.319	7.088
1.00	10.398	13.263	112.882	27.706	32.421	9.213	101.948	30.137	24.430	8.122
1.20	12.473	15.910	139.200	34.620	39.243	11.511	126.675	36.479	30.932	10.284
1.50	15.592	19.888	179.717	45.383	49.566	15.090	165.205	46.050	41.319	13.739

Ultimate Uniform Load Capacities (KM/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
0.70	Single Spans	Imposed Load	44.387	28.408	18.452	11.620	7.785	5.467	3.986	2.995
		Wind Load	41.063	26.280	18.250	13.408	10.266	7.618	5.554	4.172
	Multi Spans	Imposed Load	55.484	35.510	24.659	18.117	13.871	10.316	7.520	5.650
		Wind Load	51.329	32.850	22.813	16.760	12.832	10.139	8.213	6.787
0.80	Single Spans	Imposed Load	56.066	35.882	22.444	14.134	9.469	6.650	4.848	3.642
		Wind Load	48.726	31.185	21.656	15.911	12.182	8.929	6.509	4.891
	Multi Spans	Imposed Load	70.082	44.852	31.148	22.884	17.521	12.547	9.147	6.872
		Wind Load	60.908	38.981	27.070	19.888	15.227	12.031	9.745	8.054
0.90	Single Spans	Imposed Load	64.770	41.453	25.709	16.190	10.846	7.617	5.553	4.172
		Wind Load	56.704	36.291	25.202	18.516	14.176	10.275	7.490	5.628
	Multi Spans	Imposed Load	80.962	51.816	35.983	26.437	20.241	14.372	10.477	7.872
		Wind Load	70.880	45.363	31.502	23.145	17.720	14.001	11.341	9.373
1.00	Single Spans	Imposed Load	73.701	47.169	29.026	18.279	12.245	8.600	6.270	4.710
		Wind Load	64.980	41.587	28.880	21.218	16.245	11.651	8.494	6.381
	Multi Spans	Imposed Load	92.127	58.961	40.945	30.082	23.032	16.277	11.830	8.888
		Wind Load	81.225	51.984	36.100	26.522	20.306	16.044	12.996	10.740
1.20	Single Spans	Imposed Load	92.090	58.937	35.794	22.541	15.100	10.606	7.731	5.809
		Wind Load	82.274	52.656	36.566	26.865	20.569	14.477	10.554	7.929
	Multi Spans	Imposed Load	115.112	73.672	61.161	37.588	28.491	20.010	14.588	10.960
		Wind Load	102.843	65.820	45.708	33.581	25.711	20.315	16.455	13.599
1.50	Single Spans	Imposed Load	120.722	77.262	46.212	29.101	19.496	13.692	9.982	7.499
		Wind Load	109.909	70.342	48.849	35.889	26.882	18.880	13.764	10.341
	Multi Spans	Imposed Load	150.902	96.577	67.068	49.274	36.784	25.835	18.834	14.150
		Wind Load	137.387	87.927	61.061	44.861	34.347	27.138	21.982	18.167

1. Sheeting design is based on ANSI - 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)



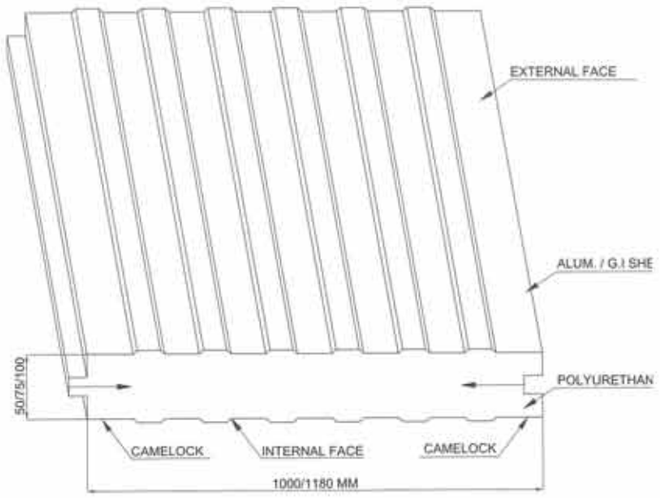


Application Specification

Steel Decking
Sheets are galvanized & Color coated steel
Based Material confirms to EN10147 Fe 350
Z27/ASTM A653 GD 350 G 90

Hot dip galvanized process with G90 or Z27 coating
Coating is regular polyester, 25mic/7mic
Yield Strength 350 N/mm2
Thickness from 0.7 mm to 1.5 mm

PRE PAINTED ALUMINUM & GI PROFILE - INSULATED WALL PANEL

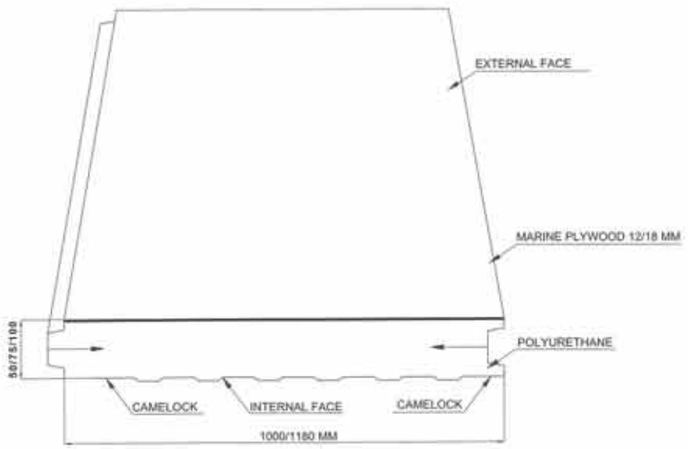


Product Description

Install wall is a factory made insulated wall panel having embossed aluminium or steel facings combined with polyurethane foam core. the panel is 50mm thick and has a width of 1180mm with lengths up to 12500mm the side joint is formed with tongue, and groove.

Application Specification

Width: 1000mm to 1180mm with standards.
Maximum Length: Up to 12.5 meters.
Thickness of panels: 50mm pu width will be 1000mm. 75mm pu width will be 1000 & 1180mm. 100mm pu width will be 1000 & 1180mm.
Colors: RAL - 9002, RAL - 9003, RAL - 1001 RAL - 5012, RAL - BS 12 BS 21 RAL - 3016, RAL - 3003.



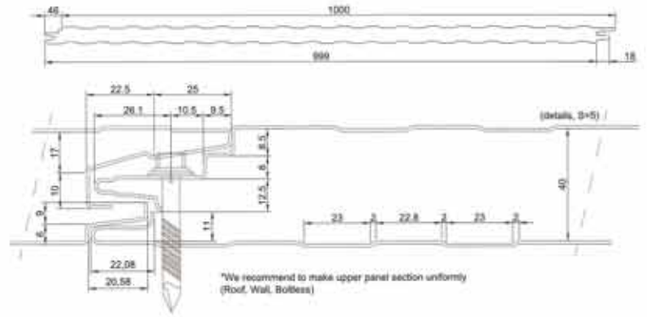
Product Description

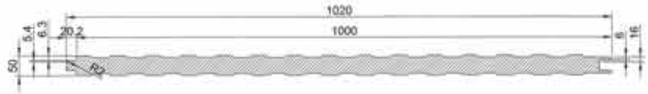
Insufloor is a factory made insulated floor panel having plywood / steel facings combined with polyurethane foam core. The panel is 75 / 100mm thick and has a width of 1000/1180mm with. lengths up to 12.5 meters. The side joint is formed with tongue and groove External facing of 12/18mm thick marine plywood internal facing of galvanised steel sheets 0.4mm thick. Galvanised steel camlocks along the side of the panels every 1000mm in order to enable the panels to be tightened together.

Application Specification

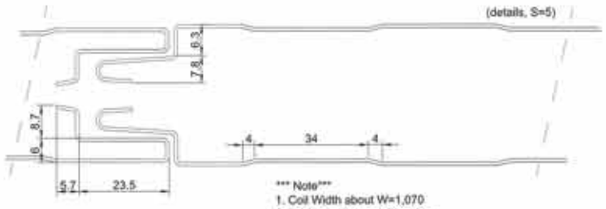
Width: 1000mm to 1180mm with standards.
Maximum Length: Up to 12.5 meters.
Thickness of panels: 75/100mm CORE: self-bonding polyurethane foam.

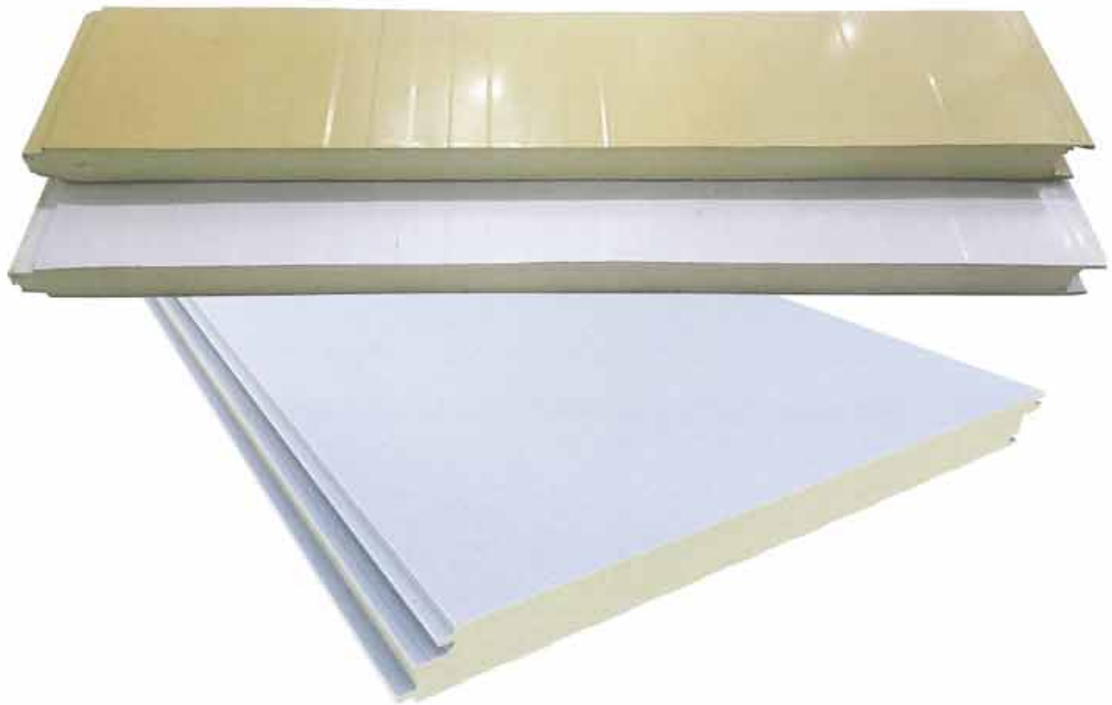
Bottless Roll Forming Section - TMPF Solution (Concealed Joint System)





Wall Roll Forming Section
(Slip Joint System)

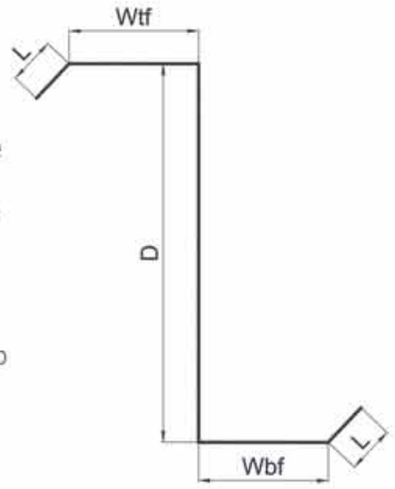




Z PURLIN

The material used for manufacturing Z Purlin is Hot Dipped Galvanized with minimum yied strength 350 N/mm2 & galvanizing coating 275 gms/m2. Full specification to EN10147 FE 350G, Z275 GMS/m2/ ASTM, A653, S350GD, G90. For Purlin Reference the first three digits indicates the depth of the purlin in millimeters & the last two digits after the alphabet Z indicate the thickness (232Z20 is 232 mm in depth and 2.00 mm is thickness).

The Purlin performance is derived by calculation based on AISI-1996 with supple-1 (LRFD) or equivalent toBS5950 part (V), Purlins load table are applicable for roof slope up to 3:10 only. Anty sag rods shall be at equal distance.



*BM due to gravity loads (fully braced)

**BM due to uplift for continuous spans (fully braced)

***BM due to uplift for simple spans (fully braced)

DIMENSIONS										PROPERIES								ALLOWABLES								
Purlin Reference	Weight	Area	Depth	Thickness	Top Flange	Bot.Flange	Lip	Lip Angle	I_x	I_y	$S_x(t)$	$S_x(b)$	R_x	R_y	$S_y(t)$	$S_y(r)$	Allowable Shear	Allowable BM *	Allowable BM **	Allowable BM ***	Ultimate Shear	Ultimate BM *	Ultimate BM **	Ultimate BM ***
	kg/m	mm	mm	mm	mm	mm	mm	Deg	cm^4	cm^4	cm^3	cm^3	cm	cm	cm^3	cm^3	Va KN	Mag KN-m	Mawc KN-m	Mawi KN-m	Vu KN	Mug KN-m	Muwc KN-m	Muwi KN-m
122Z15	2.8	361.8	122.0	1.5	50.0	45.0	16.0	45.0	84.6	22.7	14.2	13.6	4.8	2.5	4.0	3.8	16.8	2.6	2.4	1.0	25.3	4.1	3.8	2.7
142Z15	3.3	421.8	142.0	1.5	60.0	55.0	16.0	45.0	135.3	36.1	19.4	18.7	5.7	2.9	5.4	5.2	14.9	3.4	3.1	2.2	22.4	5.3	5.0	3.5
142Z20	4.4	558.2	142.0	2.0	60.0	55.0	16.0	45.0	177.3	47.1	25.4	24.5	5.6	2.9	7.1	6.8	29.9	4.7	4.4	3.1	44.9	7.5	7.0	5.0
172Z15	3.8	481.8	172.0	1.5	65.0	60.0	16.0	45.0	221.9	44.3	26.2	25.4	6.8	3.0	6.2	6.0	12.2	4.4	4.1	3.0	18.3	7.1	6.6	4.7
172Z20	5.1	638.2	172.0	2.0	65.0	60.0	16.0	45.0	291.5	57.9	34.4	33.4	6.8	3.0	8.1	7.8	29.2	6.1	5.7	4.0	43.9	9.6	9.0	6.4
172Z25	6.2	794.8	172.0	2.5	65.0	60.0	16.0	45.0	360.9	71.2	42.6	41.3	6.7	3.0	10.0	9.6	45.7	8.3	7.7	5.5	69.5	13.2	12.3	8.8
202Z15	4.1	526.8	202.0	1.5	65.0	60.0	16.0	45.0	322.8	44.3	32.4	31.5	7.8	2.9	6.2	5.9	10.3	5.5	5.1	3.6	15.5	8.7	8.1	5.8
202Z20	5.5	698.2	202.0	2.0	65.0	60.0	16.0	45.0	424.7	57.9	42.7	41.5	7.8	2.9	8.1	7.8	24.6	7.6	7.1	5.1	37.0	12.1	11.2	8.0
202Z25	6.9	865.3	202.0	2.5	65.0	60.0	16.0	45.0	521.6	71.0	52.4	50.9	7.8	2.9	10.0	9.6	46.7	10.3	9.6	6.9	70.2	16.4	15.2	10.9
232Z15	4.8	601.8	232.0	1.5	76.0	69.0	16.0	45.0	487.1	64.3	42.7	41.3	9.0	3.3	7.9	7.6	8.9	6.3	5.8	4.2	13.4	9.9	9.2	6.6
232Z20	6.4	798.2	232.0	2.0	76.0	69.0	16.0	45.0	642.0	84.4	56.3	54.4	9.0	3.3	10.4	10.0	21.3	9.7	9.1	6.5	32.0	15.5	14.4	10.3
232Z25	8.0	990.3	232.0	2.5	76.0	69.0	16.0	45.0	790.2	103.7	69.3	67.0	8.9	3.2	12.9	12.3	42.3	12.6	11.7	8.3	63.6	19.9	18.5	13.2
250Z20	6.7	848.2	250.0	2.0	80.0	72.0	16.0	45.0	786.9	95.3	64.2	61.8	9.6	3.4	11.3	10.8	19.7	10.9	10.2	7.3	29.6	17.3	16.1	11.5
250Z25	8.4	1,052.8	250.0	2.5	80.0	72.0	16.0	45.0	969.5	117.1	79.0	76.1	9.6	3.3	14.0	13.3	39.1	13.9	12.9	9.2	58.7	22.0	20.5	14.6
250Z30	9.9	1,258.4	250.0	3.0	80.0	72.0	16.0	45.0	1,152.9	138.4	94.0	90.5	9.6	3.3	16.6	15.7	67.3	17.9	16.6	11.9	101.1	28.3	26.4	18.8
262Z20	6.9	872.2	262.0	2.0	80.0	72.0	16.0	45.0	878.8	95.3	68.3	65.9	10.0	3.3	11.4	10.7	18.7	11.7	10.9	7.8	28.2	18.5	17.2	12.3
262Z25	8.6	1,082.8	262.0	2.5	80.0	72.0	16.0	45.0	1,083.2	117.2	84.2	81.2	10.0	3.3	14.0	13.3	37.2	14.8	13.8	9.9	55.8	23.5	21.9	15.7
262Z30	10.2	1,299.8	262.0	3.0	80.0	72.0	16.0	45.0	1,297.7	138.7	100.9	97.3	10.0	3.3	16.6	18.7	65.8	19.3	18.0	12.9	100.0	30.7	28.5	20.4
302Z20	7.9	1,001.1	302.0	2.0	90.0	82.0	18.0	45.0	1,339.1	138.7	90.1	87.3	11.6	3.7	14.5	13.9	16.1	13.6	12.7	9.0	24.0	21.6	20.1	14.3
302Z25	9.8	1,247.3	302.0	2.5	90.0	82.0	18.0	45.0	1,661.1	141.1	111.8	108.3	11.5	3.7	18.0	17.1	31.6	19.5	18.1	13.0	47.4	30.9	28.8	20.6
302Z30	11.7	1,491.8	302.0	3.0	90.0	82.0	18.0	45.0	1,978.1	202.5	133.1	128.9	11.5	3.7	21.3	20.3	54.7	23.6	22.0	15.7	82.3	37.4	34.9	24.9
342Z20	8.8	1,121.1	342.0	2.0	100.0	92.0	18.0	45.0	1,917.7	184.2	113.6	110.4	13.1	4.1	17.5	16.7	14.2	15.3	14.2	10.2	21.3	24.3	22.6	16.1
342Z25	11.0	1,397.3	342.0	2.5	100.0	92.0	18.0	45.0	2,377.0	227.5	141.0	137.1	13.0	4.0	21.6	20.7	27.8	22.8	21.2	15.1	41.7	36.1	33.6	24.0
342Z30	13.1	1,671.8	342.0	3.0	100.0	92.0	18.0	45.0	2,833.0	269.6	168.1	163.3	13.0	4.0	25.7	24.6	48.1	28.2	26.2	18.7	72.3	44.7	41.6	29.7

LOAD TABLE Z-SECTIONS, SLEEVED SYSTEM																			
Material:En10147FeE350G Z27 / ASTM A653 Grade: 50G90 (Fy = 35.0 KN /CM²)																			
Uniformly Distributed Load (KN / M2) Due To DL + LL																	Total Uplift Load, DL+WL,KN		
Section Ref.	Wight Kgs/M	Total Load KN	Purlin Center/ Spacing, m													Allow Defl. L/180 cm	No. of Anti-Sag Rods		
			1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0			0	1	2
SPAN 4.0 m																			
12215	2.84	8.254	2.064	1.720	1.474	1.376	1.290	1.146	0.938	0.938	0.860	0.825	0.737	0.688	2.222	7.685	-	-	
14215	3.34	10.642	2.661	2.217	1.900	1.776	1.663	1.478	1.209	1.209	1.109	1.064	0.950	0.887	2.222	9.908	-	-	
14220	4.45	14.988	3.747	3.122	2.676	2.498	2.342	2.082	1.703	1.703	1.561	1.499	1.338	1.249	2.222	13.953	-	-	
17215	3.77	14.104	3.526	2.938	2.519	2.351	2.204	1.959	1.603	1.603	1.469	1.41	1.259	1.175	2.222	13.131	-	-	
17220	5.03	19.281	4.82	4.017	3.443	3.123	3.013	2.678	2.191	2.191	2.008	1.928	1.721	1.607	2.222	17.75	-	-	
20215	4.14	17.336	4.334	3.612	3.096	2.889	2.709	2.408	1.97	1.97	1.806	1.734	1.548	1.445	2.222	16.139	-	-	
20220	5.52	24.106	6.027	5.022	4.305	4.018	3.767	3.348	2.739	2.739	2.511	2.411	2.152	2.009	2.222	22.443	-	-	
SPAN 4.5 m																			
12215	2.84	7.337	1.630	1.359	1.165	1.087	1.019	0.906	0.815	0.741	0.679	0.652	0.582	0.543	2.500	6.831	-	-	
14215	3.34	9.406	2.102	1.752	1.502	1.401	1.314	1.168	1.051	0.956	0.876	0.841	0.751	0.701	2.500	8.807	-	-	
14220	4.45	13.322	2.961	2.467	2.115	1.974	1.850	1.645	1.48	1.346	1.234	1.184	1.057	0.987	2.500	12.403	-	-	
17215	3.77	12.537	2.786	2.322	1.990	1.857	1.741	1.548	1.393	1.266	1.161	1.114	0.995	0.929	2.500	11.672	-	-	
17220	5.03	17.138	3.809	3.174	2.720	2.539	2.380	2.116	1.904	1.731	1.587	1.523	1.36	1.27	2.500	15.956	-	-	
20215	4.14	15.409	3.424	2.854	2.446	2.283	2.140	1.902	1.712	1.551	1.427	1.37	1.223	1.141	2.500	14.346	-	-	
20220	5.52	21.428	4.762	3.968	3.401	3.174	2.976	2.645	2.381	2.164	1.984	1.905	1.701	1.587	2.500	19.946	-	-	
SPAN 5.0 m																			
12215	2.84	6.604	1.321	1.101	0.943	0.880	0.825	0.734	0.660	0.600	0.550	0.528	0.472	0.440	2.778	6.148	-	-	
14215	3.34	8.514	1.703	1.419	1.216	1.135	1.064	0.946	0.851	0.774	0.709	0.681	0.608	0.568	2.778	7.926	-	-	
14220	4.45	11.990	2.398	1.998	1.713	1.599	1.499	1.332	1.199	1.090	0.999	0.959	0.856	0.799	2.778	11.163	-	-	
17215	3.77	11.283	2.257	1.881	1.612	1.504	1.410	1.254	1.128	1.026	0.940	0.903	0.806	0.752	2.778	10.505	-	-	
17220	5.03	15.424	3.085	2.571	2.203	2.057	1.928	1.714	1.542	1.402	1.285	1.234	1.102	1.028	2.778	14.360	-	-	
20215	4.14	13.868	2.774	2.311	1.981	1.849	1.734	1.541	1.387	1.261	1.156	1.109	0.991	0.925	2.778	12.912	-	-	
20220	5.52	19.285	3.857	3.214	2.755	2.571	2.411	2.143	1.928	1.753	1.607	1.543	1.377	1.286	2.778	17.954	-	-	
SPAN 5.5 m																			
12215	2.84	6.003	1.091	0.910	0.780	0.728	0.682	0.606	0.546	0.496	0.455	0.437	0.390	0.364	3.056	5.589	-	-	
14215	3.34	7.740	1.407	1.173	1.005	0.938	0.880	0.782	0.704	0.640	0.586	0.563	0.503	0.469	3.056	7.206	-	-	
14220	4.45	10.900	1.982	1.652	1.416	1.321	1.239	1.101	0.991	0.901	0.826	0.793	0.708	0.661	3.056	10.148	-	-	
17215	3.77	10.257	1.865	1.554	1.332	1.243	1.166	1.036	0.932	0.848	0.777	0.746	0.666	0.622	3.056	9.550	-	-	
17220	5.03	14.022	2.550	2.125	1.821	1.700	1.593	1.416	1.275	1.159	1.062	1.020	0.911	0.850	3.056	13.055	-	-	
20215	4.14	12.608	2.292	1.910	1.637	1.528	1.433	1.274	1.146	1.042	0.955	0.917	0.819	0.764	3.056	11.738	-	-	
20220	5.52	17.532	3.188	2.656	2.277	2.125	1.992	1.771	1.594	1.449	1.328	1.275	1.138	1.063	3.056	16.322	-	-	
23515	4.77	14.423	2.622	2.185	1.873	1.748	1.639	1.457	1.311	1.192	1.093	1.049	0.937	0.874	3.056	13.428	-	-	
23220	6.36	22.490	4.089	3.408	2.921	2.726	2.556	2.272	2.045	1.859	1.704	1.636	1.460	1.363	3.056	20.938	-	-	
SPAN 6.0 m																			
12215	2.84	5.503	0.917	0.764	0.655	0.611	0.573	0.510	0.459	0.417	0.382	0.367	0.328	0.306	3.333	-	5.123	-	
14215	3.34	7.095	1.182	0.985	0.845	0.788	0.739	0.657	0.591	0.537	0.493	0.473	0.422	0.394	3.333	-	6.605	-	
14220	4.45	9.992	1.665	1.388	1.189	1.11	1.041	0.925	0.833	0.757	0.694	0.666	0.595	0.555	3.333	-	9.302	-	
17215	3.77	9.403	1.567	1.306	1.119	1.045	0.979	0.871	0.784	0.712	0.653	0.627	0.560	0.522	3.333	-	8.754	-	
17220	5.03	12.854	2.142	1.785	1.53	1.428	1.339	1.190	1.071	0.974	0.893	0.857	0.765	0.714	3.333	-	11.967	-	
17225	6.28	17.585	2.931	2.442	2.093	1.954	1.832	1.628	1.465	1.332	1.221	1.172	1.047	0.977	3.333	-	16.372	-	
20215	4.14	11.557	1.926	1.605	1.376	1.284	1.204	1.070	0.963	0.876	0.803	0.770	0.688	0.642	3.333	-	10.760	-	
20220	5.52	16.071	2.678	2.232	1.913	1.786	1.674	1.488	1.339	1.217	1.116	1.071	0.957	0.893	3.333	-	14.962	-	
20225	6.87	21.812	3.635	3.029	2.597	2.424	2.272	2.020	1.818	1.652	1.515	1.454	1.298	1.212	3.333	-	20.307	-	
23215	4.77	13.221	2.203	1.836	1.574	1.469	1.377	1.224	1.102	1.002	0.918	0.881	0.787	0.734	3.333	-	12.309	-	
23220	6.36	20.616	3.436	2.863	2.454	2.291	2.148	1.909	1.718	1.562	1.432	1.374	1.227	1.145	3.333	-	19.193	-	
23225	7.95	26.549	4.425	3.687	3.161	2.95	2.766	2.458	2.212	2.011	1.844	1.770	1.580	1.475	3.333	-	24.717	-	

LOAD TABLE Z-SECTIONS, SLEEVED SYSTEM

Material:En10147FeE350G Z27 / ASTM A653 Grade: 50 G90 (Fy = 35.0 KN /CM²)

Section Ref.	Wight Kgs/M	Total Load KN	Uniformly Distributed Load (KN / M2) Due To DL + LL — Purlin Center/ Spacing, m												Allow Defl. L/180 cm	Total Uplift Load, DL+WL,KN — No. of Anti-Sag Rods		
			1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0		0	1	2
SPAN 6.5 m																		
12215	2.84	5.080	0.781	0.651	0.558	0.521	0.488	0.434	0.391	0.355	0.326	0.313	0.279	0.260	3.611	-	4.729	-
14215	3.34	6.549	1.008	0.840	0.720	0.672	0.630	0.560	0.504	0.458	0.402	0.403	0.360	0.336	3.611	-	6.097	-
14220	4.45	9.223	1.419	1.182	1.014	0.946	0.887	0.788	0.709	0.645	0.591	0.568	0.507	0.473	3.611	-	8.587	-
17215	3.77	8.679	1.335	1.113	0.954	0.980	0.835	0.742	0.668	0.607	0.556	0.534	0.477	0.445	3.611	-	8.081	-
17220	5.03	11.865	1.825	1.521	1.304	1.217	1.141	1.014	0.913	0.830	0.761	0.730	0.652	0.608	3.611	-	11.046	-
17225	6.28	16.233	2.497	2.081	1.784	1.665	1.561	1.387	1.249	1.135	1.041	0.999	0.892	0.832	3.611	-	15.113	-
20215	4.14	10.668	1.641	1.368	1.172	1.094	1.026	0.912	0.821	0.746	0.684	0.656	0.586	0.547	3.611	-	9.932	-
20220	5.52	14.834	2.282	1.902	1.630	1.521	1.426	1.268	1.141	1.037	0.951	0.913	0.815	0.761	3.611	-	13.811	-
20225	6.87	20.134	3.098	2.581	2.213	2.065	1.936	1.721	1.549	1.408	1.291	1.239	1.106	1.033	3.611	-	18.745	-
23215	4.08	12.204	1.878	1.565	1.341	1.252	1.173	1.043	0.939	0.853	0.782	0.751	0.671	0.626	3.611	-	11.362	-
23220	6.36	19.030	2.928	2.440	2.091	1.952	1.830	1.627	1.464	1.331	1.220	1.171	1.046	0.976	3.611	-	17.717	-
23225	7.95	24.507	3.770	3.142	2.693	2.514	2.356	2.095	1.885	1.714	1.571	1.508	1.347	1.257	3.611	-	22.816	-
25020	6.69	21.345	3.284	2.737	2.346	2.189	2.052	1.824	1.642	1.493	1.368	1.314	1.173	1.095	3.611	-	19.872	-
25025	8.35	27.108	4.170	3.475	2.979	2.780	2.607	2.317	2.085	1.896	1.738	1.668	1.489	1.390	3.611	-	25.000	-
SPAN 7.0 m																		
14215	3.34	6.081	0.869	0.724	0.621	0.579	0.543	0.483	0.434	0.395	0.362	0.347	0.310	0.290	3.889	-	-	5.662
14220	4.45	8.564	1.223	1.020	0.874	0.816	0.765	0.680	0.612	0.556	0.510	0.489	0.437	0.408	3.889	-	-	7.973
17215	3.77	8.059	1.151	0.959	0.822	0.768	0.720	0.640	0.576	0.523	0.480	0.461	0.411	0.384	3.889	-	-	7.503
17220	5.03	11.017	1.574	1.312	1.124	1.049	0.984	0.874	0.787	0.715	0.656	0.630	0.562	0.525	3.889	-	-	10.257
17225	6.28	15.073	2.153	1.794	1.538	1.436	1.346	1.196	1.077	0.979	0.897	0.861	0.769	0.718	3.889	-	-	14.033
20215	4.41	9.906	1.415	1.179	1.011	0.943	0.884	0.786	0.708	0.643	0.590	0.566	0.505	0.472	3.889	-	-	9.223
20220	5.52	13.775	1.968	1.640	1.406	1.312	1.230	1.093	0.984	0.894	0.820	0.787	0.703	0.656	3.889	-	-	12.824
20225	6.87	18.696	2.671	2.226	1.908	1.781	1.669	1.484	1.335	1.214	1.113	1.068	0.954	0.890	3.889	-	-	17.406
23215	4.77	11.332	1.619	1.349	1.156	1.079	1.012	0.899	0.809	0.736	0.675	0.648	0.578	0.540	3.889	-	-	10.550
23220	6.36	17.671	2.524	2.104	1.803	1.683	1.578	1.402	1.262	1.147	1.052	1.010	0.902	0.841	3.889	-	-	16.452
23225	7.95	22.757	3.251	2.709	2.322	2.167	2.320	1.806	1.625	1.478	1.355	1.300	1.161	1.084	3.889	-	-	21.186
25020	6.69	19.821	2.832	2.360	2.023	1.888	1.770	1.573	1.416	1.287	1.180	1.133	1.011	0.944	3.889	-	-	18.453
25025	8.35	25.171	3.596	2.997	2.596	2.397	2.247	1.998	1.798	1.635	1.498	1.438	1.284	1.199	3.889	-	-	23.435
26220	6.89	21.146	3.021	2.517	2.158	2.014	1.888	1.678	1.510	1.373	1.259	1.208	1.079	1.007	3.889	-	-	18.375
26225	8.61	26.911	3.844	3.204	2.746	2.563	2.403	2.136	1.922	1.747	1.602	1.538	1.373	1.281	3.889	-	-	23.384
SPAN 7.5 m																		
14220	4.45	7.993	1.066	0.888	0.671	0.711	0.666	0.592	0.533	0.484	0.444	0.426	0.381	0.355	4.167	-	-	7.442
17215	3.77	7.552	1.003	0.836	0.716	0.669	0.627	0.557	0.501	0.456	0.418	0.401	0.358	0.334	4.167	-	-	7.003
17220	5.03	10.283	1.371	1.143	0.979	0.914	0.857	0.762	0.686	0.623	0.571	0.548	0.490	0.457	4.167	-	-	9.573
17225	6.28	14.068	1.876	1.563	1.340	1.251	1.172	1.042	0.938	0.853	0.782	0.750	0.670	0.625	4.167	-	-	13.098
20215	4.14	9.246	1.233	1.027	0.881	0.822	0.770	0.685	0.616	0.560	0.514	0.493	0.440	0.411	4.167	-	-	8.608
20220	5.52	12.857	1.714	1.429	1.224	1.143	1.071	0.952	0.857	0.779	0.714	0.686	0.612	0.571	4.167	-	-	11.969
20225	6.87	17.450	2.327	1.939	1.662	1.551	1.454	1.293	1.163	1.058	0.969	0.931	0.831	0.776	4.167	-	-	16.246
23215	4.77	10.577	1.410	1.175	1.007	0.940	0.881	0.783	0.705	0.641	0.588	0.564	0.504	0.470	4.167	-	-	9.847
23220	6.36	16.463	2.199	1.833	1.571	1.466	1.374	1.222	1.100	1.000	0.916	0.880	0.785	0.733	4.167	-	-	15.355
23225	7.95	21.239	2.832	2.360	2.023	1.888	1.770	1.573	1.416	1.287	1.180	1.133	1.011	0.944	4.167	-	-	19.774
25020	6.69	18.499	2.467	2.055	1.762	1.644	1.542	1.370	1.233	1.121	1.028	0.987	0.881	0.822	4.167	-	-	17.223
25025	8.35	23.493	3.132	2.610	2.237	2.088	1.958	1.740	1.566	1.424	1.305	1.253	1.119	1.044	4.167	-	-	21.872
25030	9.98	30.215	4.029	3.357	2.878	2.686	2.518	2.238	2.014	1.831	1.679	1.611	1.439	1.343	4.167	-	-	28.131
26220	6.89	19.737	2.632	2.193	1.880	1.754	1.645	1.462	1.316	1.196	1.096	1.053	0.940	0.877	4.167	-	-	18.375
26225	8.61	25.117	3.349	2.791	2.932	2.233	2.093	1.861	1.674	1.522	1.395	1.340	1.196	1.116	4.167	-	-	23.384

LOAD TABLE Z-SECTIONS, SLEEVED SYSTEM

Material:En10147FeE350G Z27 / ASTM A653 Grade: 50 G90 (Fy = 35.0 KN /CM²)

Section Ref.	Wight Kgs/M	Total Load KN	Uniformly Distributed Load (KN / M2) Due To DL + LL — Purlin Center/ Spacing, m												Allow Defl. L/180	Total Uplift Load, DL+WL,KN — No. of Anti-Sag Rods		
			1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0		0	1	2
SPAN 8.0 m																		
14220	4.45	7.053	0.830	0.691	0.593	0.553	0.519	0.461	0.415	0.377	0.346	0.332	0.296	0.277	4.444	-	6.566	-
17220	5.03	9.730	1.067	0.890	0.762	0.712	0.667	0.593	0.534	0.485	0.445	0.427	0.381	0.356	4.444	-	8.447	-
17225	6.28	13.189	1.649	1.374	1.178	1.099	1.030	0.916	0.824	0.749	0.687	0.659	0.589	0.550	4.444	-	12.279	-
20215	4.14	8.668	1.083	0.903	0.774	0.722	0.677	0.602	0.542	0.492	0.451	0.433	0.387	0.361	4.444	-	8.070	-
20220	5.52	12.053	1.507	1.256	1.076	1.004	0.942	0.837	0.753	0.685	0.628	0.603	0.538	0.502	4.444	-	11.220	-
20225	6.87	16.359	2.045	1.704	1.461	1.363	1.278	1.136	1.022	0.929	0.852	0.818	0.730	0.682	4.444	-	15.230	-
23215	4.77	9.916	1.239	1.033	0.885	0.826	0.775	0.689	0.620	0.563	0.516	0.496	0.443	0.413	4.444	-	9.232	-
23220	6.36	15.462	1.933	1.611	1.381	1.289	1.208	1.074	0.966	0.879	0.805	0.773	0.960	0.644	4.444	-	14.395	-
23225	7.95	19.912	2.489	2.074	1.778	1.659	1.556	1.383	1.245	1.131	1.037	0.996	0.889	0.830	4.444	-	18.538	-
25020	6.69	17.343	2.168	1.807	1.548	1.445	1.355	1.204	1.054	0.985	0.903	0.867	0.774	0.723	4.444	-	16.146	-
25025	8.35	20.025	2.753	2.294	1.967	1.385	1.721	1.530	1.377	1.251	1.147	1.101	0.983	0.918	4.444	-	20.505	-
25030	9.98	28.327	3.541	2.951	2.529	2.361	2.213	1.967	1.770	1.609	1.475	1.416	1.265	1.180	4.444	-	26.372	-
26220	6.89	18.503	2.313	1.927	1.652	1.542	1.446	1.285	1.156	1.051	0.964	0.925	0.826	0.771	4.444	-	17.226	-
26225	8.61	23.547	2.943	2.453	2.102	1.962	1.840	1.635	1.472	1.338	1.226	1.177	1.051	0.981	4.444	-	21.922	-
26230	10.18	30.658	3.832	3.194	2.737	2.555	2.395	2.129	1.916	1.742	1.597	1.533	1.369	1.277	4.444	-	28.543	-
SPAN 8.5 m																		
17220	5.03	8.569	0.952	0.793	0.680	0.635	0.595	0.529	0.476	0.433	0.397	0.381	0.340	0.317	5.000	-	7.978	-
17225	6.28	12.413	1.460	1.217	1.043	0.974	0.913	0.811	0.730	0.664	0.608	0.584	0.522	0.487	4.722	-	11.557	-
20215	4.14	8.158	0.960	0.800	0.686	0.640	0.600	0.533	0.480	0.436	0.400	0.384	0.343	0.320	4.722	-	7.595	-
20220	5.52	11.344	1.335	1.112	0.953	0.980	0.834	0.741	0.668	0.607	0.566	0.534	0.477	0.445	4.722	-	10.561	-
20225	6.87	15.397	1.810	1.509	1.294	1.208	1.132	1.006	0.906	0.823	0.755	0.725	0.647	0.604	4.722	-	14.334	-
23215	4.77	9.332	1.098	0.915	0.784	0.732	0.686	0.610	0.549	0.499	0.457	0.739	0.392	0.366	4.722	-	8.688	-
23220	6.36	14.552	1.712	1.427	1.223	1.141	1.070	0.951	0.856	0.778	0.713	0.685	0.611	0.571	4.722	-	13.548	-
23225	7.95	18.741	2.205	1.837	1.575	1.470	1.378	1.225	1.102	1.002	0.919	0.882	0.787	0.735	4.722	-	17.448	-
25020	6.69	16.323	1.920	1.600	1.372	1.280	1.200	1.067	0.960	0.873	0.800	0.768	0.686	0.640	4.722	-	15.197	-
25025	8.35	20.729	2.439	2.032	1.742	1.626	1.524	1.355	1.219	1.109	1.016	0.976	0.871	0.813	4.722	-	19.299	-
25030	9.98	26.661	3.137	2.614	2.240	2.091	1.960	1.743	1.568	1.426	1.307	1.255	1.120	1.046	4.722	-	24.821	-
26220	6.89	17.415	2.049	1.707	1.463	1.366	1.280	1.138	1.024	0.931	0.854	0.820	0.732	0.683	4.722	-	16.213	-
26225	8.61	22.162	2.607	2.173	1.862	1.738	1.630	1.448	1.304	1.185	1.086	1.043	0.931	0.869	4.722	-	20.633	-
26230	10.18	28.855	3.395	2.829	2.425	2.263	2.122	1.886	1.697	1.543	1.414	1.358	1.212	1.132	4.722	-	26.864	-
SPAN 9.0 m																		
17225	6.28	11.724	1.303	1.086	0.930	0.868	0.814	0.724	0.651	0.592	0.543	0.521	0.465	0.434	5.000	-	10.915	-
20220	5.52	10.714	1.190	0.922	0.850	0.794	0.744	0.661	0.595	0.541	0.496	0.476	0.425	0.397	5.000	-	9.975	-
20225	6.87	14.541	1.616	1.346	1.154	1.077	1.010	0.898	0.808	0.734	0.673	0.646	0.577	0.539	5.000	-	13.538	-
23215	4.77	8.814	0.979	0.816	0.700	0.653	0.612	0.544	0.490	0.445	0.408	0.932	0.350	0.326	5.000	-	8.206	-
23220	6.36	13.744	1.527	1.273	1.091	1.018	0.954	0.848	0.764	0.964	0.636	0.611	0.545	0.509	5.000	-	12.796	-
23225	7.95	17.700	1.967	1.639	1.405	1.311	1.229	1.093	0.983	0.894	0.819	0.787	0.702	0.656	5.000	-	16.487	-
25020	6.69	15.416	1.713	1.427	1.223	1.142	1.071	0.952	0.856	0.779	0.714	0.686	0.612	0.571	5.000	-	14.352	-
25025	8.35	19.578	2.175	1.813	1.554	1.450	1.360	1.209	1.088	0.989	0.906	0.870	0.777	0.725	5.000	-	18.277	-
25030	9.98	25.180	2.798	2.331	1.998	1.865	1.749	1.554	1.399	1.272	1.166	1.119	0.999	0.933	5.000	-	23.442	-
26220	6.89	16.447	1.827	1.523	1.305	1.218	1.142	1.015	0.914	0.831	0.761	0.731	0.653	0.609	5.000	-	15.312	-
26225	8.61	20.931	2.326	1.938	1.661	1.550	1.454	1.292	1.163	1.057	0.969	0.930	0.831	0.775	5.000	-	19.486	-
26230	10.18	27.252	3.028	2.523	2.163	2.019	1.892	1.682	1.514	1.376	1.262	1.211	1.081	1.009	5.000	-	25.371	-
30220	7.88	19.164	2.129	1.774	1.521	1.420	1.331	1.183	1.065	0.968	0.887	0.852	0.760	0.710	5.000	-	17.842	-
30225	9.81	27.477	3.053	2.554	2.181	2.035	1.908	1.696	1.527	1.388	1.272	1.221	1.090	1.018	5.000	-	25.581	-
SPAN 9.5 m																		
26220	6.89	15.581	1.640	1.367	1.172	1.093	1.025	0.911	0.820	0.746	0.683	0.656	0.586	0.547	5.278	-	-	14.506
26225	8.61	19.829	2.087	1.739	1.491	1.392	1.305	1.160	1.044	0.949	0.870	0.835	0.745	0.696	5.278	-	-	18.461

LOAD TABLE Z-SECTIONS, SLEEVED SYSTEM

Material:En10147FeE350G Z27 / ASTM A653 Grade: 50 G90 (Fy = 35.0 KN /CM²)

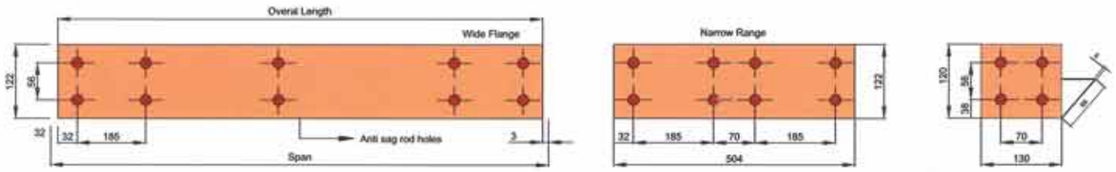
Section Ref.	Wight Kgs/M	Total Load KN	Uniformly Distributed Load (KN / M2) Due To DL + LL — Purlin Center/ Spacing, m												Allow Defl. L/180	Total Uplit Load, DL+WL,KN — No. of Anti-Sag Rods		
			1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0		0	1	2
SPAN 10.0 m																		
26220	6.89	14.802	1.480	1.234	1.057	0.987	0.925	0.822	0.740	0.673	0.617	0.592	0.529	0.493	5.556	-	-	13.781
26225	8.61	18.838	1.884	1.570	1.346	1.256	1.177	1.047	0.942	0.856	0.785	0.754	0.673	0.628	5.556	-	-	17.538
26230	10.18	24.526	2.453	2.044	1.752	1.635	1.533	1.363	1.226	1.115	1.022	0.981	0.876	0.818	5.556	-	-	22.834
30220	7.88	17.248	1.725	1.437	1.232	1.150	1.078	0.958	0.862	0.784	0.719	0.690	0.616	0.757	5.556	-	-	16.058
30225	9.81	24.730	2.473	2.061	1.766	1.649	1.546	1.374	1.236	1.124	1.030	0.989	0.883	0.824	5.556	-	-	23.023
30230	11.77	29.959	2.996	2.497	2.140	1.997	1.872	1.664	1.498	1.362	1.248	1.198	1.070	0.999	5.556	-	-	27.892
34220	8.82	19.421	1.942	1.618	1.387	1.295	1.214	1.097	0.971	0.883	0.809	0.777	0.694	0.647	5.556	-	-	18.810
34225	10.99	28.882	2.888	2.407	2.063	1.925	1.805	1.605	1.444	1.313	1.203	1.155	1.032	0.963	5.556	-	-	26.890
34230	13.15	35.729	3.573	2.977	2.552	2.382	2.233	1.985	1.786	1.624	1.489	1.429	1.276	1.191	5.556	-	-	33.264
SPAN 10.5 m																		
30220	7.88	16.427	1.564	1.304	1.117	1.043	0.978	0.869	0.782	0.711	0.652	0.626	0.599	0.521	5.833	-	-	15.293
30225	9.81	23.552	2.243	1.869	1.602	1.495	1.402	1.246	1.122	1.020	0.935	0.897	0.801	0.478	5.833	-	-	21.927
30230	11.77	28.533	2.717	2.264	1.941	1.812	1.698	1.510	1.359	1.235	1.132	1.087	0.970	0.906	5.833	-	-	26.564
34220	8.82	18.496	1.762	1.468	1.258	1.174	1.101	0.979	0.881	0.801	0.734	0.705	0.629	0.587	5.833	-	-	17.220
34225	10.99	27.507	2.620	2.183	1.871	1.746	1.637	1.455	1.310	1.191	1.092	1.048	0.936	0.873	5.833	-	-	25.609
34230	13.15	34.027	3.241	2.701	2.315	2.160	2.025	1.800	1.620	1.473	1.350	1.296	1.157	1.080	5.833	-	-	31.680
SPAN 11.0 m																		
30220	7.88	15.680	1.425	1.188	1.018	0.950	0.891	0.792	0.713	0.648	0.594	0.570	0.509	0.475	6.111	-	-	14.598
30225	9.81	22.481	2.044	1.703	1.460	1.363	1.277	1.135	1.022	0.929	0.852	0.581	0.730	0.681	6.111	-	-	20.930
30230	11.77	27.236	2.476	2.063	1.769	1.651	1.547	1.376	1.238	1.125	1.032	0.990	0.884	0.825	6.111	-	-	25.356
34220	8.82	17.655	1.605	1.338	1.146	1.070	1.003	0.892	0.803	0.730	0.669	0.642	0.573	0.535	6.111	-	-	16.437
34225	10.99	26.257	2.387	1.989	1.705	1.591	1.492	1.326	1.193	1.085	0.995	0.955	0.852	0.795	6.111	-	-	24.445
34230	19.15	32.481	2.953	2.461	2.109	1.969	1.845	1.640	1.476	1.342	1.230	1.181	1.055	0.984	6.111	-	-	30.240
SPAN 11.5 m																		
30220	7.88	14.998	1.304	1.087	0.932	0.869	0.815	0.725	0.652	0.593	0.543	0.522	0.466	0.435	6.389	-	-	13.963
30225	9.81	21.504	1.870	1.558	1.336	1.247	1.168	1.039	0.935	0.850	0.779	0.748	0.668	0.623	6.389	-	-	20.020
30230	11.77	26.051	2.265	1.888	1.618	1.510	1.416	1.259	1.133	1.030	0.944	0.906	0.809	0.755	6.389	-	-	24.256
34220	8.82	16.888	1.468	1.224	1.049	0.979	0.918	0.816	0.734	0.667	0.612	0.587	0.524	0.489	6.389	-	-	25.722
34225	10.99	25.115	2.184	1.820	1.560	1.456	1.365	1.213	1.092	0.993	0.910	0.874	0.780	0.728	6.389	-	-	23.382
34230	13.15	31.069	2.702	2.251	1.930	1.801	1.689	1.501	1.351	1.228	1.126	1.081	0.965	0.901	6.389	-	-	28.925
SPAN 12.0 m																		
30220	7.88	14.373	1.198	0.998	0.856	0.799	0.749	0.665	0.599	0.544	0.499	0.479	0.428	0.399	6.667	-	-	13.382
30225	9.81	20.608	1.717	1.431	1.227	1.145	1.073	0.954	0.859	0.781	0.716	0.687	0.613	0.572	6.667	-	-	19.186
30230	11.77	24.966	2.081	1.734	1.486	1.387	1.300	1.156	1.040	0.946	0.867	0.832	0.743	0.964	6.667	-	-	23.243
34220	8.82	16.184	1.349	1.125	0.963	0.899	0.843	0.749	0.674	0.613	0.562	0.539	0.482	0.450	6.667	-	-	15.067
34225	10.99	24.069	2.006	1.671	1.433	1.337	1.254	1.114	1.003	0.912	0.836	0.802	0.716	0.669	6.667	-	-	22.408
34230	13.15	29.774	2.481	2.068	1.772	1.654	1.551	1.378	1.241	1.128	1.034	0.992	0.886	0.827	6.667	-	-	27.720
SPAN 12.5 m																		
30220	7.88	13.798	1.104	0.920	0.788	0.736	0.690	0.613	0.552	0.502	0.460	0.442	0.394	0.368	6.994	-	-	12.846
30225	9.81	19.784	1.583	1.319	1.130	1.055	0.989	0.879	0.791	0.719	0.659	0.633	0.656	0.528	6.994	-	-	18.419
30230	11.77	23.967	1.917	1.598	1.370	1.278	1.198	1.065	0.959	0.872	0.799	0.767	0.685	0.639	6.994	-	-	22.314
34220	8.82	15.537	1.243	1.036	0.888	0.829	0.777	0.691	0.621	0.565	0.518	0.497	0.444	0.414	6.994	-	-	14.465
34225	10.99	23.106	1.848	1.540	1.320	1.232	1.155	1.027	0.924	0.840	0.770	0.739	0.660	0.616	6.994	-	-	21.512
34230	13.15	28.583	2.287	1.906	1.633	1.524	1.429	1.270	1.143	1.039	0.953	0.915	0.817	0.762	6.994	-	-	26.611

LOAD TABLE Z-SECTIONS, SLEEVED SYSTEM

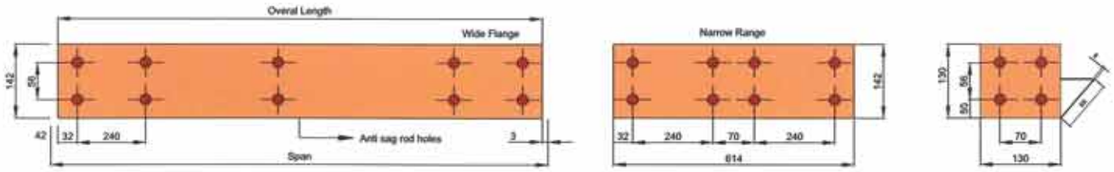
Material:En10147FeE350G Z27 / ASTM A653 Grade: 50 G90 (Fy = 35.0 KN /CM²)

Section Ref.	Wight Kgs/M	Total Load KN	Uniformly Distributed Load (KN / M2) Due To DL + LL — Purlin Center/ Spacing, m												Allow Defl. L/180	Total Uplit Load, DL+WL,KN — No. of Anti-Sag Rods		
			1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.0		0	1	2
SPAN 13.0 m																		
30220	7.88	13.268	1.021	0.850	0.729	0.680	0.638	0.567	0.510	0.464	0.425	0.408	0.364	0.340	7.222	-	-	12.352
30225	9.81	19.023	1.463	1.219	1.045	0.976	0.915	0.813	0.732	0.665	0.610	0.585	0.523	0.488	7.222	-	-	17.710
30230	11.77	23.046	1.773	1.477	1.266	1.182	1.108	0.985	0.886	0.806	0.739	0.709	0.633	0.591	7.222	-	-	21.455
34220	8.82	14.939	1.149	0.958	0.821	0.766	0.718	0.638	0.575	0.522	0.479	0.460	0.410	0.383	7.222	-	-	13.908
34225	10.99	22.217	1.709	1.424	1.221	1.139	1.068	0.949	0.855	0.777	0.712	0.684	0.610	0.570	7.222	-	-	20.684
34230	13.15	27.484	2.114	1.762	1.510	1.409	1.321	1.175	1.057	0.961	0.881	0.846	0.755	0.705	7.222	-	-	25.587
SPAN 13.5 m																		
30220	7.88	12.776	0.946	0.789	0.676	0.631	0.591	0.526	0.473	0.490	0.394	0.379	0.338	0.315	7.500	-	-	11.895
30225	9.81	18.318	1.357	1.131	0.969	0.905	0.848	0.754	0.678	0.617	0.656	0.543	0.485	0.452	7.500	-	-	17.054
30230	11.77	22.192	1.644	1.370	1.174	1.096	1.027	0.913	0.822	0.747	0.685	0.658	0.587	0.548	7.500	-	-	20.661
34220	8.82	14.386	1.066	0.888	0.761	0.710	0.666	0.592	0.533	0.484	0.444	0.426	0.381	0.355	7.500	-	-	13.393
34225	10.99	21.394	1.585	1.321	1.132	1.057	0.999	0.880	0.792	0.720	0.660	0.634	0.566	0.528	7.500	-	-	19.918
34230	26.47	26.466	1.960	1.634	1.400	1.307	1.225	1.089	0.980	0.891	0.817	0.784	0.700	0.653	7.500	-	-	24.640
SPAN 14.0 m																		
30220	7.88	12.320	0.880	0.733	0.629	0.587	0.550	0.489	0.440	0.400	0.367	0.352	0.314	0.293	7.778	-	-	11.470
30225	9.81	17.664	1.262	1.051	0.901	0.841	0.789	0.701	0.631	0.574	0.526	0.505	0.451	0.421	7.778	-	-	16.445
30230	11.77	21.399	1.529	1.274	1.092	1.019	0.955	0.849	0.764	0.695	0.637	0.611	0.546	0.510	7.778	-	-	19.925
34220	8.82	13.872	0.991	0.826	0.708	0.661	0.619	0.550	0.495	0.450	0.413	0.396	0.354	0.330	7.778	-	-	12.815
34225	10.99	20.630	1.474	1.228	1.503	0.982	0.921	0.819	0.737	0.670	0.614	0.589	0.526	0.491	7.778	-	-	19.207
34230	26.47	25.521	1.823	1.519	1.302	1.215	1.139	1.013	0.911	0.829	0.760	0.729	0.651	0.608	7.778	-	-	24.640

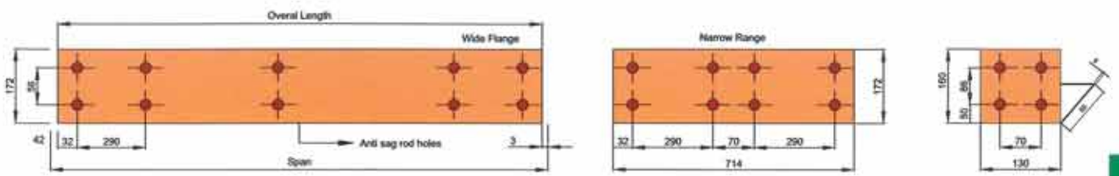
SERIES 122



SERIES 142



SERIES 172



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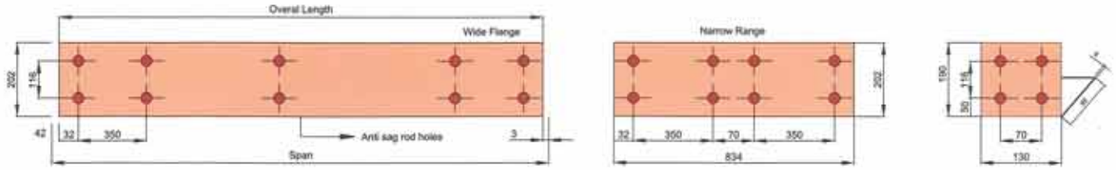
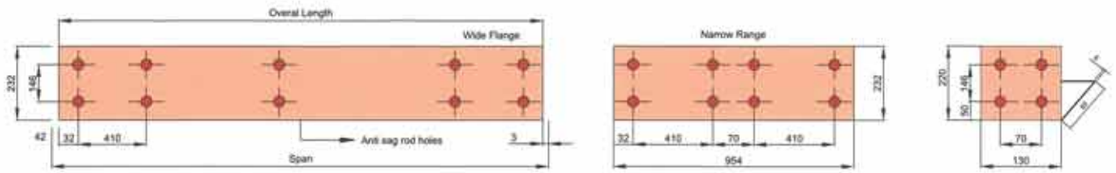
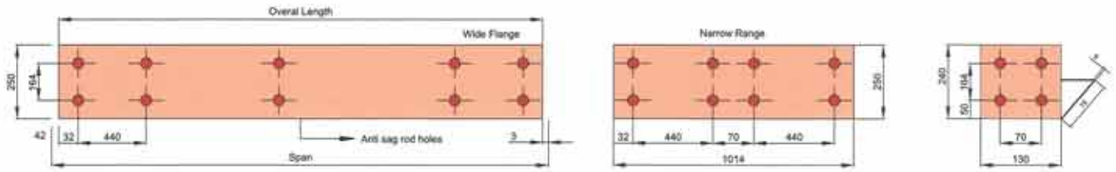


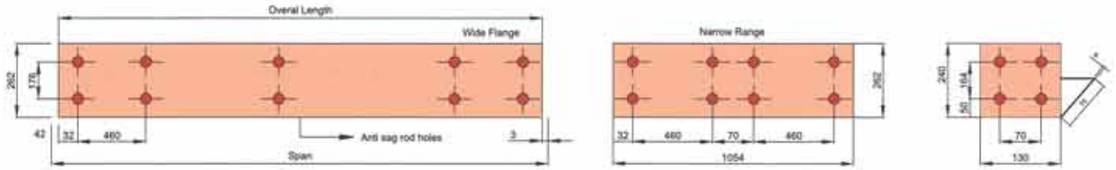
SERIES 232



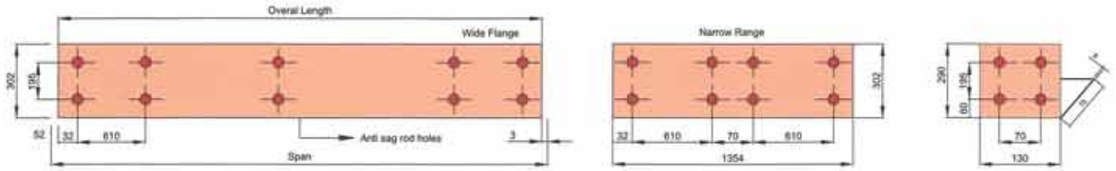
SERIES 250



SERIES 262



SERIES 302



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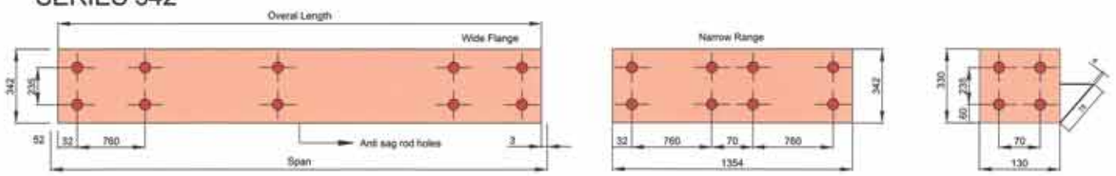
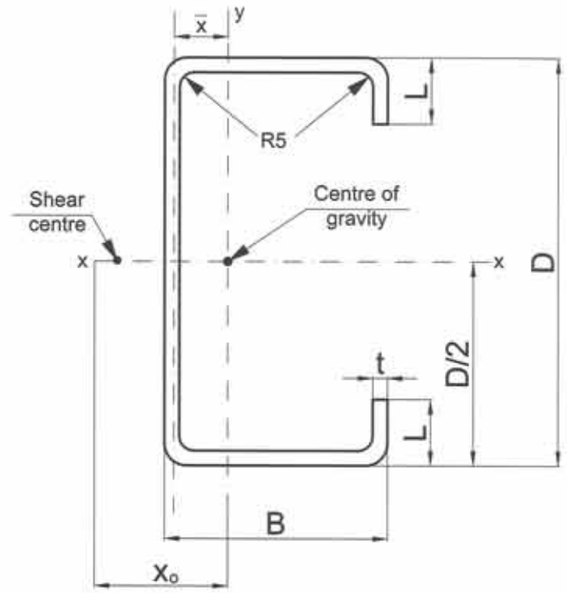


C PURLIN

C Section purlins that act as secondary support for roofing sheet and composite panels are manufactured by TMPF to be used in a wide range of industrial and commercial applications. The purlins are accurately roll formed from high strength zinc coated steel and provide an efficient, light weight, economical solution for roofing & cladding.

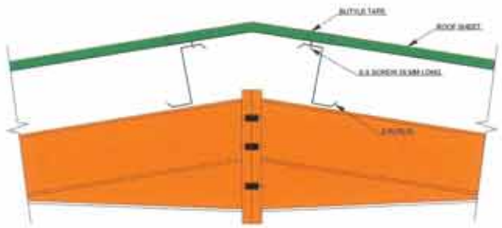
C Section purlins are available in different size. Ranging from 142mm to 342mm deep. We also supply a full range of designed accessories needed to complete the cladding and foofing of the buildings. The data sheets provide more detailed technical information about the purlins and accessories.



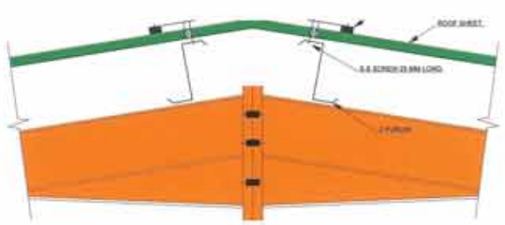
FLASHING & SHEERING

Flashing are sheet metal closures primarily to provide weather tightness and neat appearance at corners and junctions. They are mainly manufactured from pre-painted flat sheets.

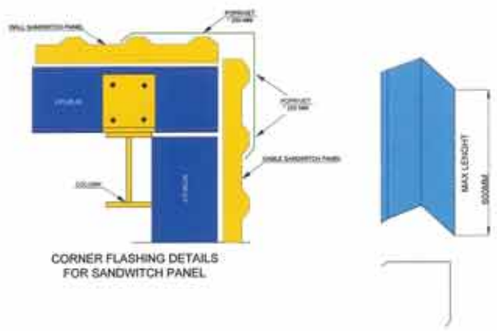
Large widths of flat area should be avoided as these will tend to dimple, however thicker material prevents this happening. Flat areas wider than 200 mm should be provided with bends, additional supports and incorporate with rivets.



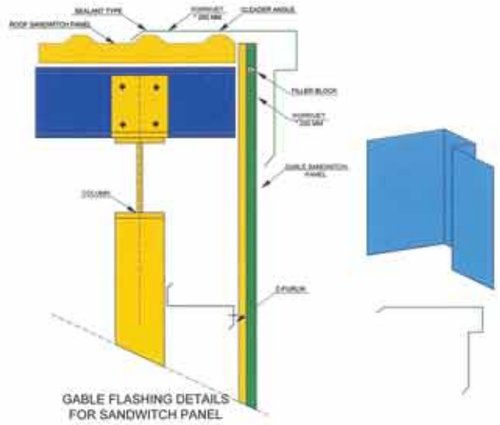
PROFILE BEND FIDGE
DETAILS FOR SINLGE SKIN



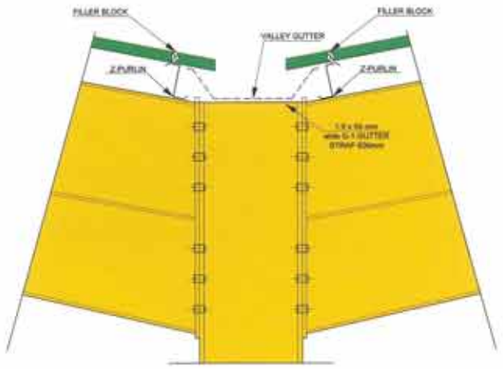
FLAT BEND RIDGE DETAILS
FOR SINGLE SKIN



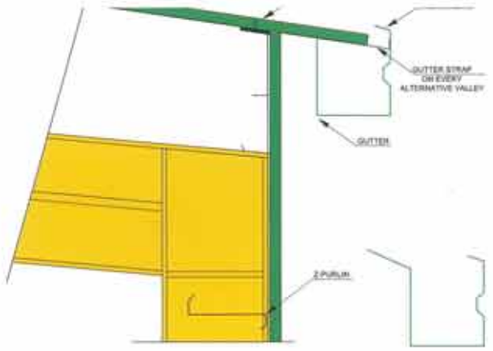
CORNER FLASHING DETAILS
FOR SANDWITCH PANEL



GABLE FLASHING DETAILS
FOR SANDWITCH PANEL



VALLEY GUTTER DETAIL
FOR SINLGE SKIN



EAVE GUTTER DETAIL
FOR SINLGE SKIN

ACCESSORIES

Purlin Tape

Polyster / cotton cloth laminated to polyethylene backing with a high tack, natural rubber adhesive available mainly in silver colour. Size available are 2" x 30 yards and 3" x 30 yards. It is to be applied directly on the top flange of G.I.Purlins. Before placing the cladding sheet, it is to be applied directly to the top flange of Z-Purlin.

Butyl Strip

Butyl Strip is an effective sealant in the form of roll with paper backing is for roofing, cladding, gutter joins, side laps, end laps and are mainly available in grey colour. The sizes available are 2.5 x 9mm x 19 mts and 3.0 x 12 mm x 15mts.

Filler Blocks

Sealing all roofing, cladding profiles against water, water vapours, roof light. Fillers black synthetic rubber is available to fit our profile sheets.

Grp Translucent Sheets

Our translucent sheets are available in same width as corrugated Alum or steel sheets, they are ideal for reducing electrical lighting requirements by utilizing natural sun lighting. They are made from glass reinforced polyester.

Screw Caps

Coloured plastic caps to fit hexagonal head of screw and cover washer.

Stainless Steel Self Tapping Screws

Used for fixing single skin and sandwich panel sections with purlins and a min. of 20mm as depth of penetration.
Type – A: A thread of 2.54 coarse thread.pointed end. On wood and steel purlins less than 3mm screw with dia 19mm stainless steel washer bonded to EPDM seal. Sizes are 6.5 x 25mm, 6.5 x70mm, 6.5 x 130mm.

Type – B: A thread of 1.81 fine threat/flat end. On steel purlins exceeding 3mm thickness screw with dia 19mm stainless steel washer bonded to EPDM seal.
6.3x25mm 6.3x40mm
6.3x60mm 6.3x75mm 6.3x115mm 6.3x130mm

Galvanised Self Drilling Screws

Same application as for stainless steel screws with 19mm dia G.I washer bonded to EPDM seal. The sizes are:
6.3x25mm 6.3x40mm 6.3x60mm
6.3x75mm 6.3x115mm 6.3x130mm

Stainless Steel Self Tapping Repairing Screws

Used for replacing fixed rusty in position screws suitable for repairing in all types of sheets. Screws with 19mm dia stainless steel washer bonded to EPDM seal. Sizes are 7.2x19mm 7.2x25mm 7.2x38mm6.3x75mm

Pop Blind Rivets

Blind riverts are 99.5% pure aluminum rivets. This is highly reliable and proven method of fixing materials together permanently. Composition to BS 1475, Model: Alum (a). PD 68 A-4.8 X 11.50mm, Tensile strength = shear, Strength = 1060N.

OUR CLIENTS

Al Futtaim Carillion
Al Habtoor Engineering
Galadari Engineering Works LLC
Excellent Engineering Steel Works
Excelent Metal Contracting Co. L.L.C
Lootah Group of Companies
AL ALAA Contracting & Metal Construction LLC
Al Aqdany Trading
Gulf Prefab Houses Factory L.T.D
Yerevan Steel
Nadia Marine
United Seven Constructions

Emirates Engineering Services
Indus Metal L.C
Inco International FZE
Omnico Trading L.L.C
Excel Industries
Essa Al Qaithi Metal Contracting LLC