



Product Catalogue 2025

WWW.ironbuilding.net



Iron Building & Roof Metal Industries L.L.C,
manufacturer
of corrugated sheets in insulated and single skin
warehouses, roof and wall panels, Z-purlins,
flashings and accessories, is dedicated to provide
high quality products and technical support.

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VISION

Teamwork

The commitment to working together towards a shared goal.

Customer satisfaction

The belief that customers are our most important consideration and deserve our most concentrated attention.

Innovation

The realization that a spark or genius properly applied is the ultimate catalyst for achievement.

Quality

The knowledge that nothing less than the best is good enough.

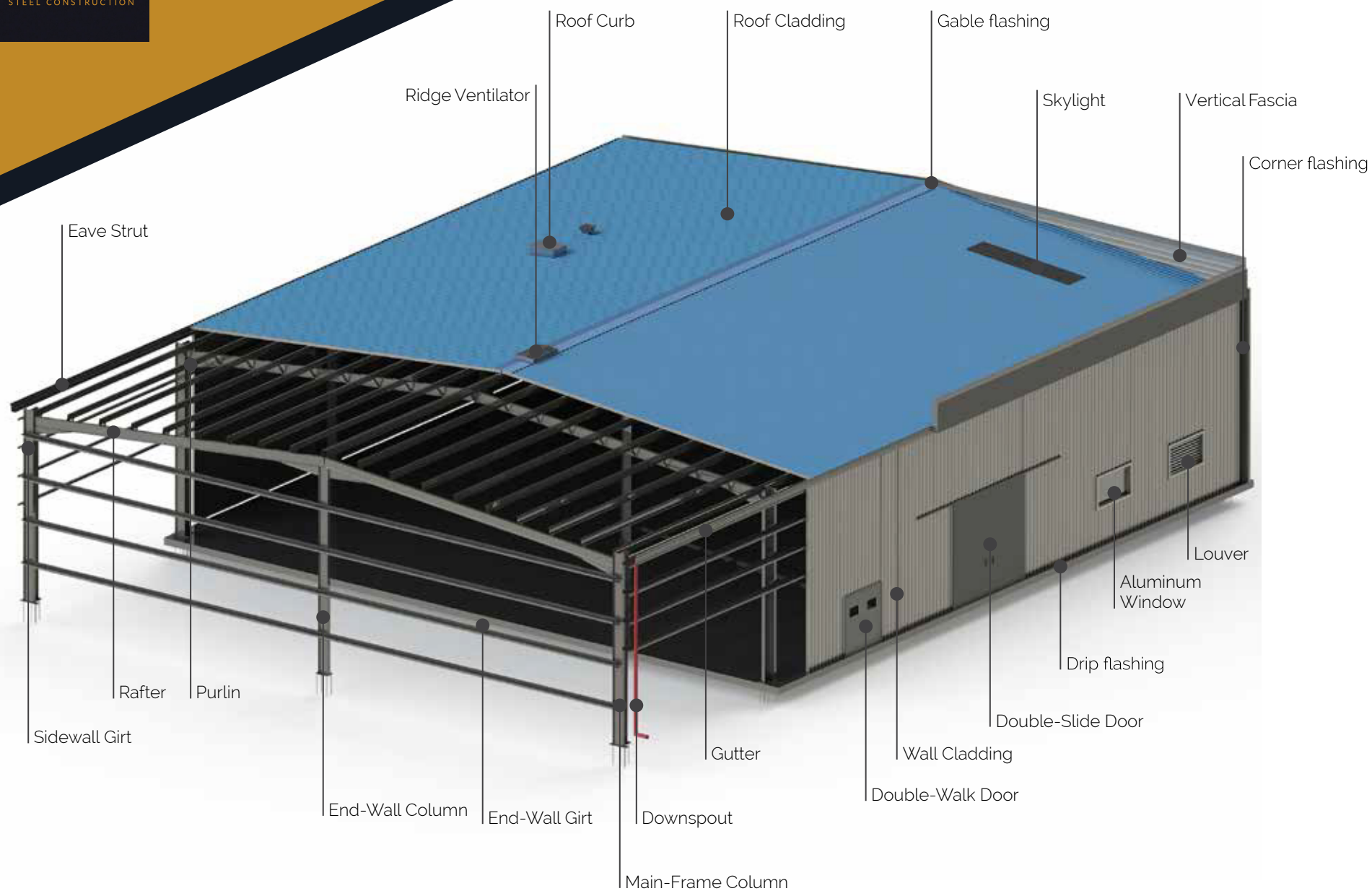




BUILDING TERMINOLOGY



BUILDING TERMINOLOGY

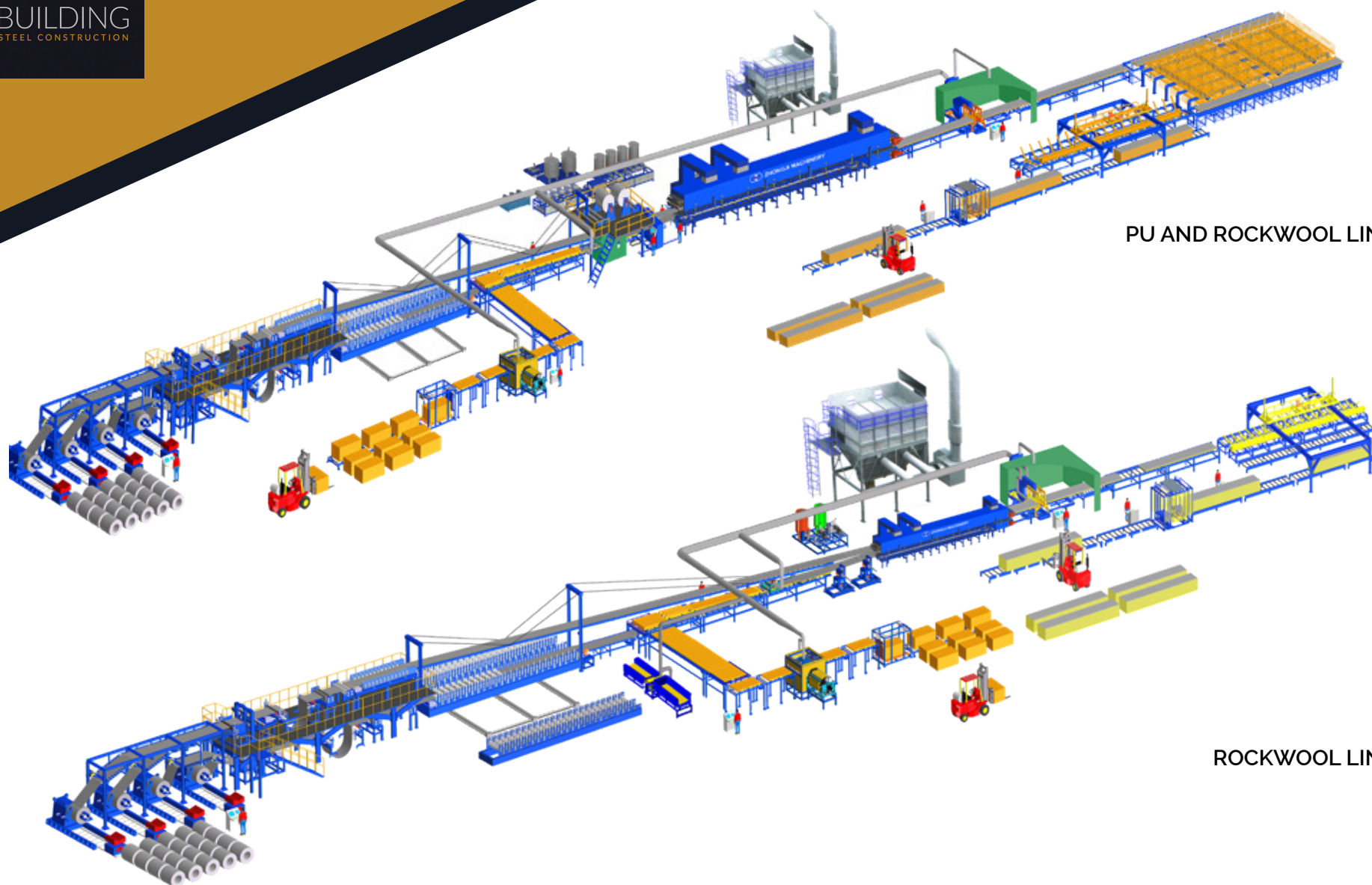




MACHINES



MACHINES



PU AND ROCKWOOL LINE

ROCKWOOL LINE



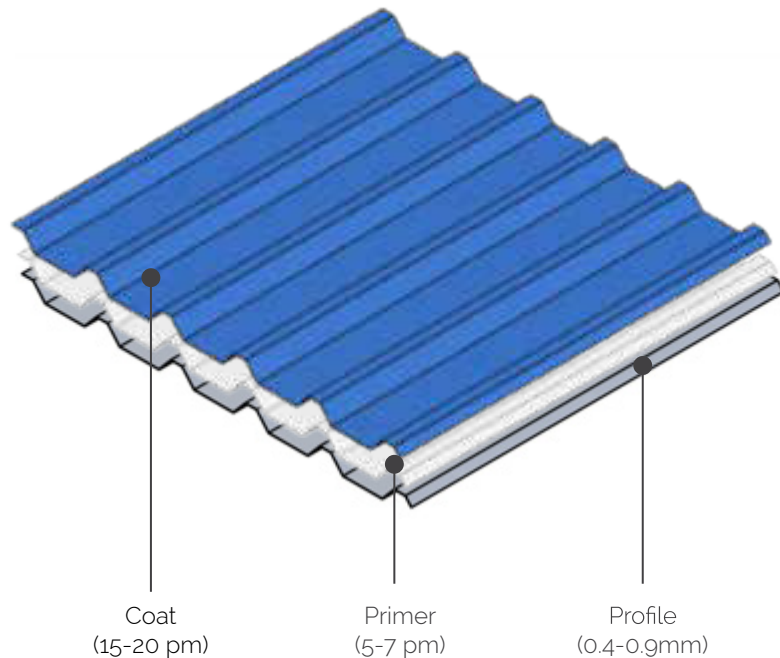
SPECIFICATION SHEETS





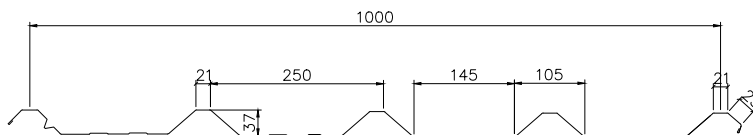
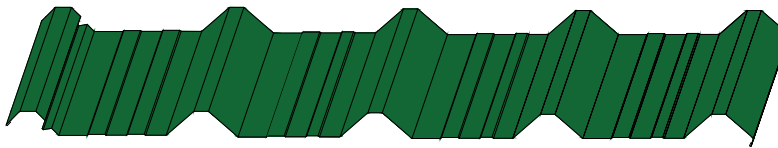
PROFILED STEEL SHEETS

Steel sheets are produced using Base Material
ASTM A653

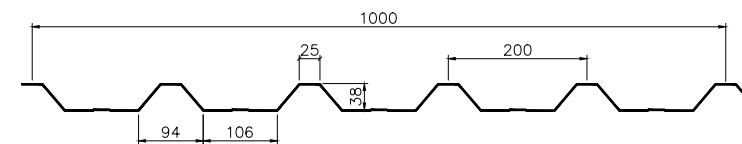
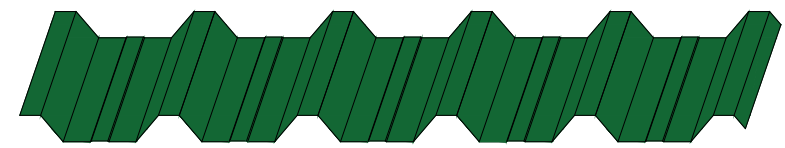


Physical	Composition	C 0.4 Cu0.2 P 0.2 So.04 Fe 99 w%
	Density	7.80 Kg.m ³
	Surface area	2.09 m ²
Mechanical	Tensile Strength, Ultimate	450 MPa
	Tensile Strength, Yield	345 MPa
	Bulk Modulus	160 GPa
	Shear Modulus	80 -
Thermal	Thermal expansion coefficient	12 ·10 ⁻⁶ °C ⁻¹
	Avg. thermal conductivity	48 W.m ⁻¹ .K ⁻¹
	Specific heat capacity	420 J.Kg ⁻¹ .K ⁻¹
	Max. mechanical temperature	405 °C
Corrosion	Direct contact with steel, copper, brass, lead, mortar, and concrete should be avoided by using a separating element such as PVC, tape, bitumen, or alternatively, using zinc or aluminum paint. Timber parts which in contact with aluminum should be treated with impregnating agents which do not contain copper salts, mercury salts, phenol compounds or fluorine compounds.	

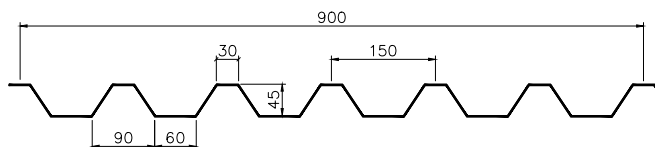
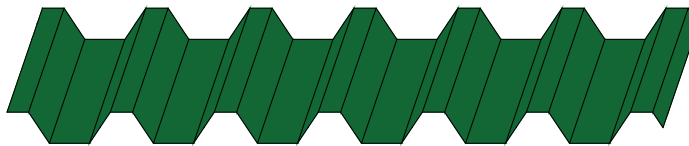
Single Skin Sheets



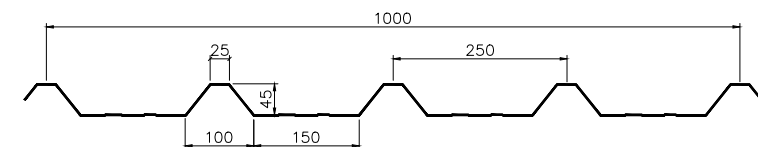
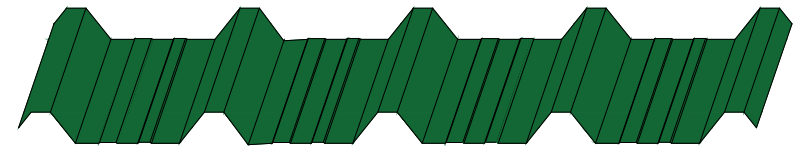
RM SINGLE SKIN 37-250



RM SINGLE SKIN 38-200



RM SINGLE SKIN 45-150



RM SINGLE SKIN 45-250

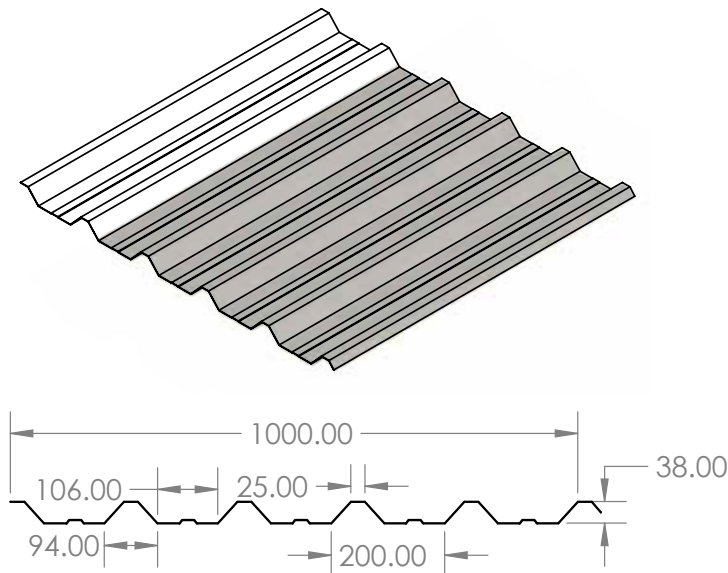


STEEL RM 38/200

Roof and wall sheet

Allowable load table (N/m²)

Thick-ness	Span condi-tion	Purlins centers in mm									
		1000	1250	1500	1750	2000	2250	2500		ZxTop	ZxBott.
mm									mm ⁴ .M	mm ³ .M	
0.40	┐┐	4332	2773	1925	1415	1083	806	587			
	┐┐┐	5415	3464	2407	1768	1354	1070	866	113782	4536	8809
0.50	┐┐	5260	3367	2338	1718	1315	978	713			
	┐┐┐	6575	4208	2922	2142	1644	1299	1052	138092	5508	10681
0.60	┐┐	6176	3953	2745	2017	1544	1147	836			
	┐┐┐	7720	4941	3431	2521	1930	1525	1235	162054	6467	12523
0.70	┐┐	6625	4243	2946	2165	1657	1231	898			
	┐┐┐	8287	5303	3683	2706	2072	1637	1326	173906	6942	13433
0.80	┐┐	7527	4817	3345	2458	1882	1397	1019			
	┐┐┐	9408	6021	4181	3072	2352	1858	1505	197353	7881	15230
0.90	┐┐	8412	5384	7393	2747	2103	1561	1138			
	┐┐┐	9408	6730	4673	3433	2629	2077	1682	220460	8809	16997



Units in millimeters (mm.)

Limiting deflection is L/200

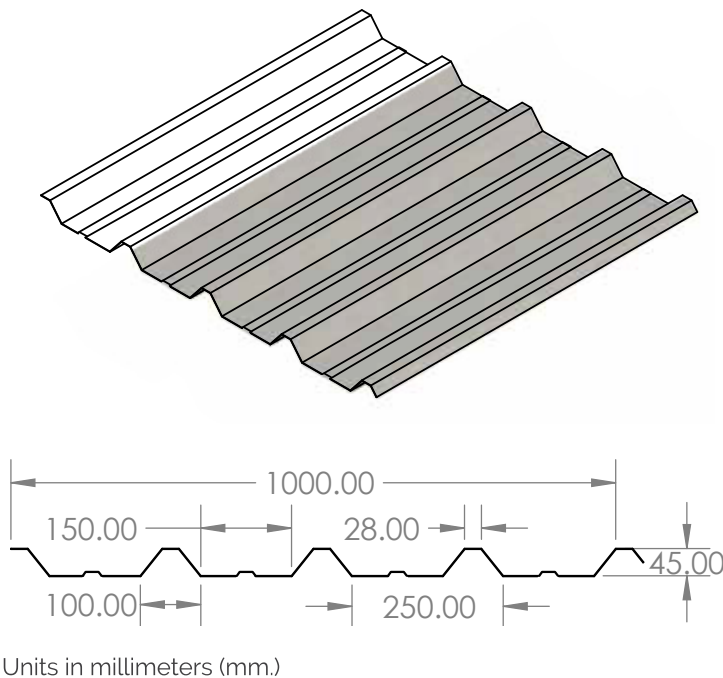


STEEL RM 45/250

Roof and wall sheet

Allowable load table (N/m²)

Thick-ness	Span condi-tion	Purlins centers in mm									
		1000	1250	1500	1750	2000	2250	2500		ZxTop	ZxBott.
mm									mm ⁴ .M	mm ³ .M	
0.40	⌈⌈	4086	2654	1843	1354	1037	807	654			
	⌈⌈⌈	5184	3270	2271	1693	1296	1024	818	136430	4256	10393
0.50	⌈⌈	4968	3180	2240	1646	1260	981	795			
	⌈⌈⌈	6210	3974	2760	2057	1575	1244	994	165723	5178	12265
0.60	⌈⌈	5838	3791	2595	1934	1481	1170	984			
	⌈⌈⌈	7298	4671	3290	2384	1851	1462	1185	194650	6290	14107
0.70	⌈⌈	6270	4071	2786	2077	1567	1256	1018			
	⌈⌈⌈	7837	5088	3483	2596	1958	1570	1272	208977	6520	15017
0.80	⌈⌈	7125	4560	3165	2360	1781	1428	1158			
	⌈⌈⌈	9806	5782	3953	2950	2259	1786	1448	237361	7418	16814
0.90	⌈⌈	7970	5175	3594	2640	1993	1597	1294			
	⌈⌈⌈	9963	6376	4492	3253	2491	1996	1594	265386	8306	18581



Limiting deflection is L/200

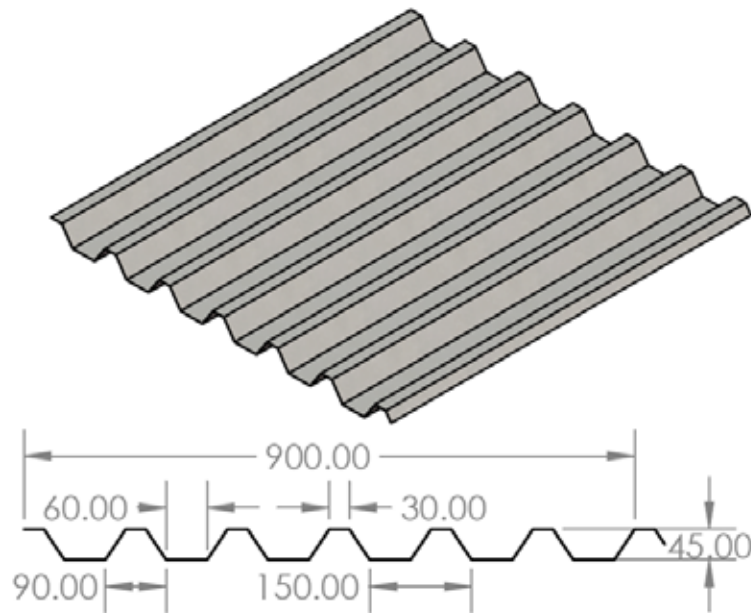


STEEL RM 45/150

Roof and wall sheet

Allowable load table (N/m²)

Thick-ness	Span condi-tion	Purlins centers in mm									
		1000	1250	1500	1750	2000	2250	2500		ZxTop	ZxBott.
mm									mm ⁴ .M	mm ³ .M	
0.40	⊥⊥	5013	3208	2228	1637	1253	990	802	159883	8367	6176
	⊥⊥⊥	6266	4010	2785	2046	1567	1238	1238			
0.50	⊥⊥	6227	3985	2767	2033	1557	1230	1230	198571	10390	7671
	⊥⊥⊥	7783	4981	3459	2542	1946	1537	1537			
0.60	⊥⊥	7425	4752	3300	2425	1856	1467	1467	236756	12385	9148
	⊥⊥⊥	9282	5940	4125	3031	2320	1833	1833			
0.70	⊥⊥	8609	5509	3826	2811	2152	1700	1700	274441	14353	10604
	⊥⊥⊥	10761	6887	4783	3514	2690	2126	2126			
0.80	⊥⊥	9777	6257	4345	3192	2444	1931	1931	311630	16295	12044
	⊥⊥⊥	12221	7821	5431	3990	3055	2414	2414			
0.90	⊥⊥	10930	6995	4858	3569	2732	2160	2160	348329	18210	13464
	⊥⊥⊥	13662	8744	6072	4461	3416	1269	2699			



Units in millimeters (mm.)

Limiting deflection is L/200

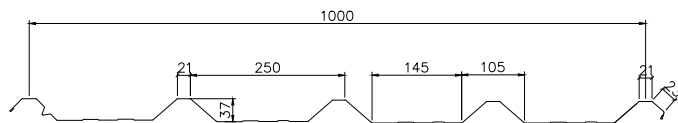
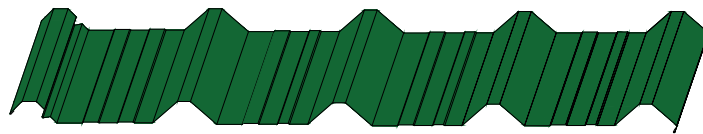


Steel - RM 37/250

Roof and wall sheet

Allowable load table (N/m²)

	Span condi- tion	Purlins centers in mm									
		1000	1250	1500	1750	2000	2250	2500	mm ⁴ /M	ZxTop	ZxBott.
mm									mm ³ /M	mm ³ /M	
0.40	⌈⌈	4086	2654	1843	1354	1037	807	654	136430	4256	10393
	⌋⌋⌋	5184	3270	2271	1693	1296	1024	818			
0.50	⌈⌈	4968	3180	2240	1646	1260	981	795	165723	5178	12265
	⌋⌋⌋	6210	3974	2760	2057	1575	1244	994			
0.60	⌈⌈	5838	3791	2595	1934	1481	1170	984	194650	6290	14107
	⌋⌋⌋	7298	4671	3290	2384	1851	1462	1185			
0.70	⌈⌈	6270	4071	2786	2077	1567	1256	1018	208977	6520	15017
	⌋⌋⌋	7837	5088	3483	2596	1958	1570	1272			
0.80	⌈⌈	7125	4560	3165	2360	1781	1428	1158	237361	7418	16814
	⌋⌋⌋	9806	5782	3953	2950	2259	1786	1448			
0.90	⌈⌈	7970	5175	3594	2640	1993	1597	1294	265386	8306	18581
	⌋⌋⌋	9963	6376	4492	3253	2491	1996	1594			

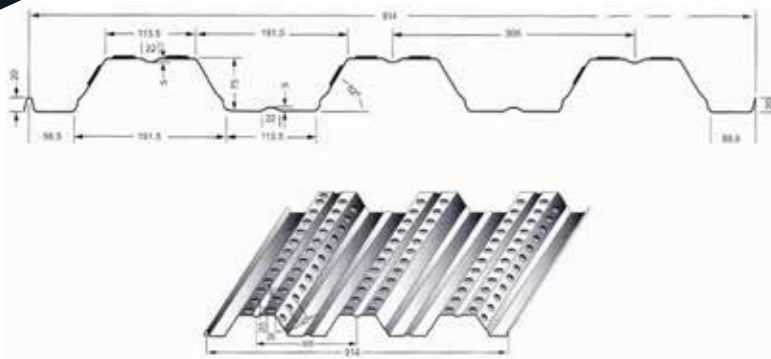


Units in millimeters (mm.)

Working load in N/m² and limiting deflection L/200



RM 75/305



Application Specification

- Steel Decking
- Sheets are galvanized & Color coated steel
- Based Material confirms to EN10147 Fe 350 Z27 / ASTM A653 GD 90
- Hot dip galvanized process with G90 or Z27 coating
- Color RAL Color, subject to availability
- Coating is regular polyester, 25mic/7mic
- Yield Strength 350N/mm²
- Thickness from 0.7mm to 1.5mm

Section Properties (per meter of coverage width)

Thickness	Weight	Area	Top in Compression				Bottom in Compression				Shear
mm	Kg/m ²	cm ²	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	ix cm ⁴	Sx Top cm ³	Sx Bottom cm ³	Ma KN-m	Va KN
0.70	7.283	9.290	71.761	16.687	22.165	5.548	66.660	20.702	15.437	5.133	50.858
0.80	8.322	10.614	87.284	21.077	25.650	7.008	78.133	23.832	18.317	6.091	66.288
0.90	9.360	11.939	99.980	24.351	29.028	8.096	89.908	26.978	21.319	7.088	78.229
1.00	10.398	13.263	112.882	27.706	32.421	9.213	101.948	30.137	24.430	8.122	86.670
1.20	12.473	15.910	139.200	34.620	39.243	11.511	126.675	36.479	30.932	10.284	103.401
1.50	15.592	19.888	179.717	45.383	49.566	15.090	165.205	46.050	41.319	13.739	128.978



BUILDING TERMINOLOGY

RM 75/305

Ultimate Uniform Load Capacities (KN/m²)

1/2

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	44.387	28.408	18.452	11.620	7.785	5.467	3.986	2.995	2.307
		Wind Load	41.063	26.280	18.250	13.408	10.266	7.618	5.554	4.172	3.214
	Multi Spans	Imposed Load	55.484	35.510	24.659	18.117	13.871	10.316	7.520	5.650	4.352
		Wind Load	51.329	32.850	22.813	16.760	12.832	10.139	8.213	6.787	5.703
0.80	Single Spans	Imposed Load	56.066	35.882	22.444	14.134	9.469	6.650	4.848	3.642	2.805
		Wind Load	48.726	31.185	21.656	15.911	12.182	8.929	6.509	4.297	3.767
	Multi Spans	Imposed Load	70.082	44.852	31.148	22.884	17.521	12.547	9.147	6.872	5.293
		Wind Load	60.908	38.981	27.070	19.888	15.227	12.031	9.745	8.054	6.768
0.90	Single Spans	Imposed Load	64.770	41.453	25.709	16.190	10.846	7.617	5.553	4.172	3.214
		Wind Load	56.704	36.291	25.202	18.516	14.176	10.275	7.490	5.628	4.335
	Multi Spans	Imposed Load	80.962	51.816	35.983	26.437	20.241	14.372	10.477	7.872	6.063
		Wind Load	70.880	45.363	31.502	23.145	17.720	14.001	11.341	9.373	7.876



RM 75/305

Ultimate Uniform Load Capacities (KN/m²)

2/2

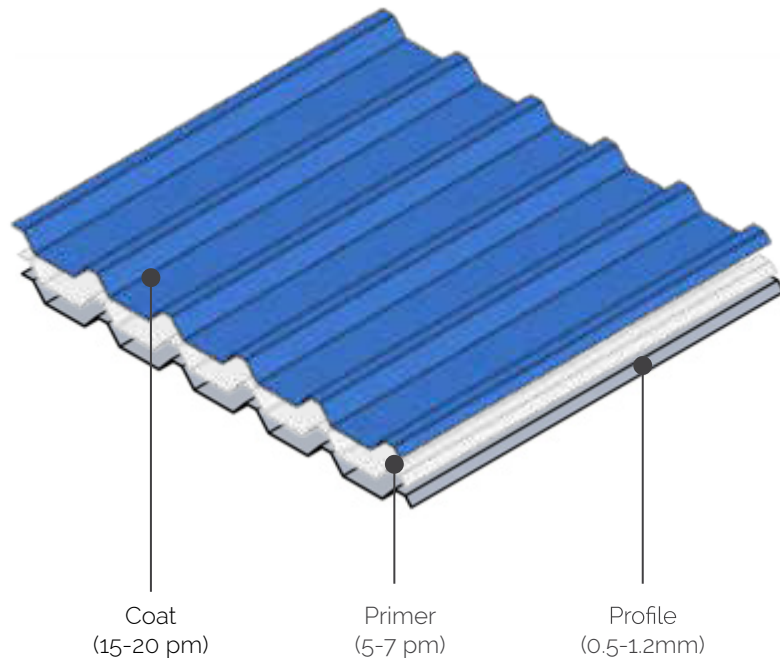
Thickness	No. of Spans	Load	Span in Meters								
mm	No's	Case	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3.00
1.00	Single Spans	Imposed Load	73.701	47.169	29.026	18.279	12.245	8.600	6.270	4.710	3.628
		Wind Load	64.980	41.587	28.880	21.218	16.245	11.651	8.494	6.381	4.915
	Multi Spans	Imposed Load	92.127	58.961	40.945	30.082	23.032	16.227	11.830	8.888	6.846
		Wind Load	81.225	51.984	36.100	26.522	20.306	16.044	12.996	10.740	9.025
1.20	Single Spans	Imposed Load	92.090	58.937	35.794	22.541	15.100	10.606	7.731	5.809	4.474
		Wind Load	82.274	52.656	36.566	26.865	20.569	14.477	10.554	7.929	6.107
	Multi Spans	Imposed Load	115.112	73.672	51.161	37.588	28.491	20.010	14.588	10.960	8.442
		Wind Load	102.843	65.820	45.708	33.581	25.711	20.315	16.455	13.599	11.427
1.50	Single Spans	Imposed Load	120.722	77.262	46.212	29.101	19.496	13.692	9.982	7.499	5.776
		Wind Load	109.909	70.342	48.849	35.889	26.882	18.880	13.764	10.341	7.965
	Multi Spans	Imposed Load	150.902	96.577	67.068	49.274	36.784	25.835	18.834	14.150	10.899
		Wind Load	137.387	87.927	61.061	44.861	34.347	27.138	21.982	18.167	15.028

1. Sheeting design is based on AISI - 2001 (LRFD) or qui BS5950 P5
2. Imposed Load = Dead Load + Live Load (Deflection Limitation: Span /180)
3. Wind Load = Wind Uplift (Deflection Limitation : Span / 120)



PROFILED ALUMINIUM SHEETS

Aluminium sheets are produced using aluminium alloy
AA3105 / H16 TEMPER



Physical	Composition	Al 97 Mn 0.8 Mg 0.8 Fe 0.7 Zn 0.4 Cu 0.3 w%
	Density	2720 Kg.m ⁻³
	Surface area	2.09 m ²

Mechanical	Tensile Strength, Ultimate	152 MPa
	Tensile Strength, Yield	124 MPa
	Bulk Modulus	68 GPa
	Shear Modulus	26 GPa

Thermal	Thermal expansion coefficient	23.3 ·10 ⁻⁶ °C ⁻¹
	Avg. thermal conductivity	160-175 W.m ⁻¹ .K ⁻¹
	Specific heat capacity	900 J.Kg ⁻¹ .K ⁻¹
	Max. mechanical temperature	180 °C

Corrosion	Direct contact with steel, copper, brass, lead, mortar, and concrete should be avoided by using a separating element such as PVC, tape, bitumen, or alternatively, using zinc or aluminum paint. Timber parts which in contact with aluminum should be treated with impregnating agents which do not contain copper salts, mercury salts, phenol compounds or fluorine compounds.	
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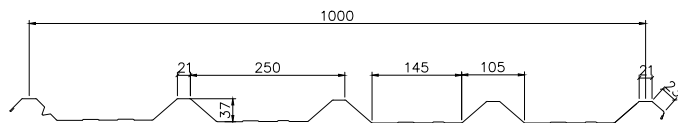
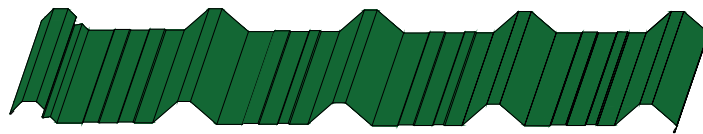


Aluminium - RM 37/250

Roof and wall sheet

Allowable load table (N/m²)

	Span condition	Purlins centers in mm					M I			
		1000	1250	1500	1750	2000	mm⁴/M	Weight	ZxTop	ZxBott.
mm								KG/M²	mm²/M	mm²/M
0.50	⌈⌈	2100	1344	934	686	508	151122	1.67	4743	11506
	⌈⌈⌈	2625	1650	1167	857	658				
0.60	⌈⌈	2505	1604	1114	818	606	180232	2.00	5659	13705
	⌈⌈⌈	3133	2005	1392	1023	783				
0.70	⌈⌈	2908	1881	1292	949	702	208977	2.33	6585	15871
	⌈⌈⌈	3634	2326	1615	1187	909				
0.80	⌈⌈	3304	2115	1469	1079	798	237361	2.66	7460	18004
	⌈⌈⌈	4130	2643	1836	1349	1038				
0.90	⌈⌈	3695	2366	1643	1207	892	265386	3.00	8346	20104
	⌈⌈⌈	4620	2957	2054	1509	1155				
1.00	⌈⌈	4084	2614	1815	1333	985	293056	3.33	9220	22173
	⌈⌈⌈	5105	3267	2269	1667	1278				
1.20	⌈⌈	4845	3101	2154	1582	1167	347340	4.00	10941	26213
	⌈⌈⌈	6057	3876	2692	1978	1514				



Units in millimeters (mm.)

Working load in N/m² and limiting deflection L/200

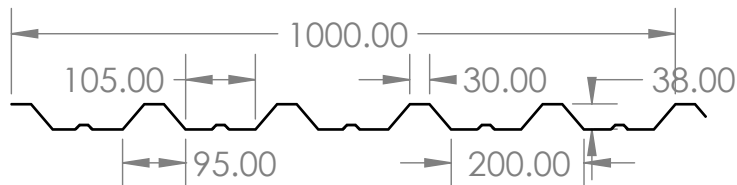
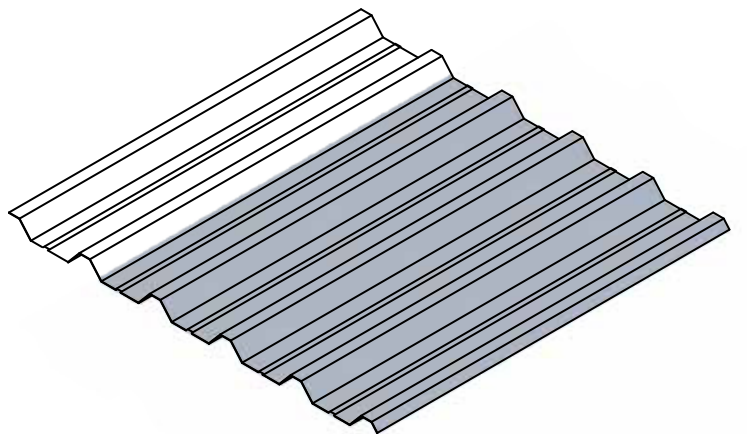


ALUMINIUM RM 38/200

Roof and wall sheet

Allowable load table (N/m²)

Thickness	Span condition	Purlins centers in mm							
		1000	1250	1500	1750	2000		ZxTop	ZxBott.
mm							mm ⁻⁴ .M	mm ⁻³ .M	
0.50	┌┌	2225	1424	989	632	423	125981	5024	9748
	┌┌┌	2781	1780	1236	908	677			
0.60	┌┌	2653	1698	1179	753	504	150116	5989	11606
	┌┌┌	3316	2122	1474	1083	807			
0.70	┌┌	3074	1968	1366	872	584	173906	6942	13433
	┌┌┌	3843	2460	1708	1255	935			
0.80	┌┌	3491	2234	1551	990	663	197355	7882	15229
	┌┌┌	4363	2792	1939	1425	1061			
0.90	┌┌	3901	2497	1734	1106	471	220460	8809	16997
	┌┌┌	4876	3121	2167	1592	1185			
1.00	┌┌	4306	2756	1914	1220	817	243231	972	18735
	┌┌┌	5383	3445	2392	1758	1308			
1.20	┌┌	5100	3264	2267	1443	967	287776	11515	22124
	┌┌┌	6376	4080	2833	2082	1547			



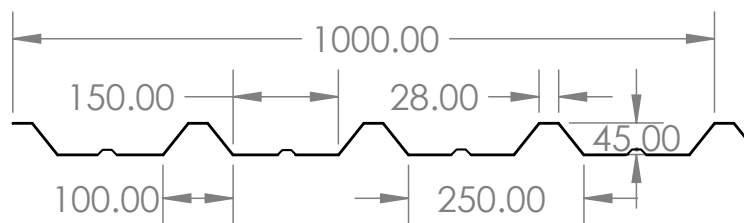
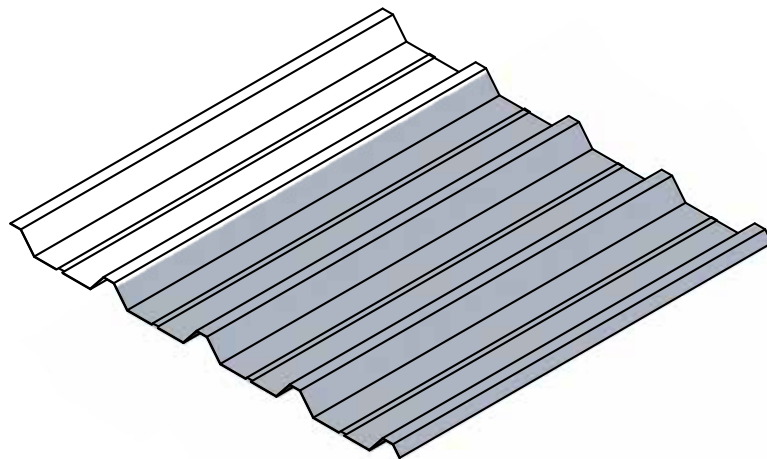
Units in millimeters (mm.)

Limiting deflection is L/200



ALUMINIUM RM 45/250

Roof and wall sheet



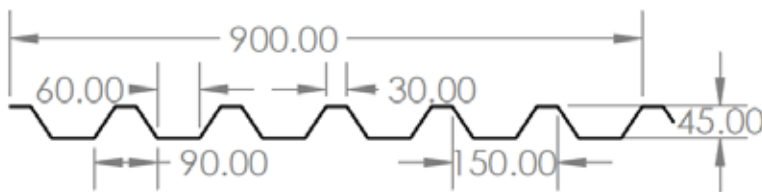
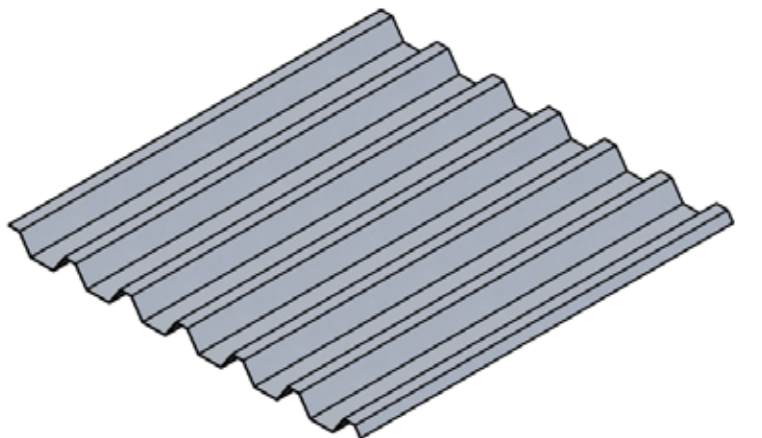
Units in millimeters (mm.)

Thick- ness	Span condi- tion	Purlins centers in mm								
		1000	1250	1500	1750	2000		ZxTop	ZxBott.	Weight
mm						mm ⁻⁴ .M	mm ⁻³ .M		Kg. m ⁻²	
0.50	┌┌	2100	1344	934	686	508	151122	4743	11506	1.67
	┌┌┌	2625	1650	1167	857	658				
0.60	┌┌	2505	1604	1114	818	606	180232	5659	13705	2.00
	┌┌┌	3133	2005	1392	1023	783				
0.70	┌┌	2908	1881	1292	949	702	208977	6585	15871	2.33
	┌┌┌	3634	2326	1615	1187	909				
0.80	┌┌	3304	2115	1469	1079	798	237361	7460	18004	2.66
	┌┌┌	4130	2643	1836	1349	1038				
0.90	┌┌	3695	2366	1643	1207	892	265386	8346	20104	3.00
	┌┌┌	4620	2957	2054	1509	1155				
1.00	┌┌	4084	2614	1815	1333	985	293056	9220	22173	3.33
	┌┌┌	5105	3267	2269	1667	1278				
1.20	┌┌	4845	3101	2154	1582	1167	347340	10941	26213	4.00
	┌┌┌	6057	3876	2692	1978	1514				



ALUMINIUM RM 45/150

Roof and wall sheet



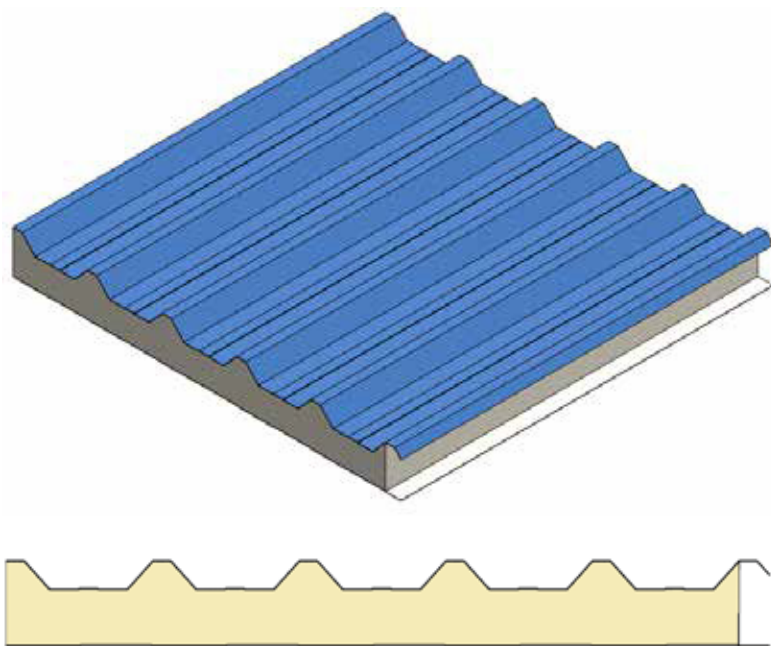
Units in millimeters (mm.)

Thick- ness	Span condi- tion	Purlins centers in mm								
		1000	1250	1500	1750	2000		ZxTop	ZxBott.	Weight
mm						mm ⁴ .M	mm ³ .M		Kg. m ⁻²	
0.50	┌┌	3325	2128	1476	996	667	198571	7671	10389	1.85
	┌┌┌	4156	2660	1847	1357	1039				
0.60	┌┌	5963	2536	1761	1187	795	236756	9147	12385	2.22
	┌┌┌	4954	3170	2302	1618	1338				
0.70	┌┌	4593	2939	2041	1376	922	274441	10605	14353	2.59
	┌┌┌	5741	3674	2552	1875	1435				
0.80	┌┌	5214	3337	2317	1563	1047	311630	12044	16294	2.96
	┌┌┌	5518	4171	2897	2128	1629				
0.90	┌┌	5527	3729	2590	1747	1170	348329	13464	18209	3.33
	┌┌┌	7264	4662	3237	2376	1821				
1.00	┌┌	6431	4116	2657	1929	1929	384540	14867	20098	3.70
	┌┌┌	8039	5145	2573	2625	2010				
1.20	┌┌	7615	4874	3355	2285	1531	455519	17616	23797	4.44
	┌┌┌	9591	6092	4231	3108	2350				



PROFILED COMPOSITE PIR/PUR SHEETS

Aluminum and steel sheets can be made into insulated sandwich panels containing PIR(polyisocyanurate)/PUR(polyurethane) foam with different thicknesses

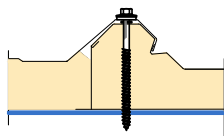
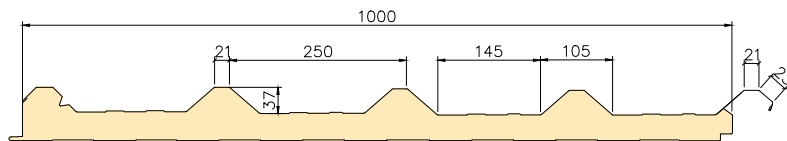
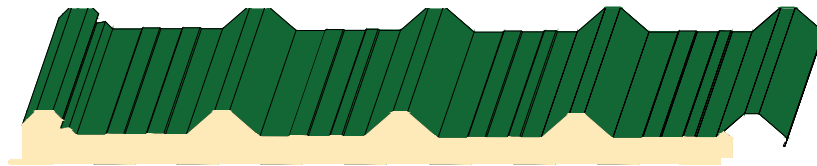


Physical	Composition	Polyurethane 99 Water 1 (after 24h) V%
	Density	38-40 Kg.m ⁻³
	Weight	3.43 Kg.m ⁻¹
Mechanical	Tensile Strength, Ultimate	150 KPa
	Compression resistance	100 KPa
	Shear resistance	100 KPa
Thermal	Avg. thermal conductivity	0.0236 W.m ⁻¹ .K ⁻¹
	Thermal expansion coefficient	56 ·10 ⁻⁶ °C ⁻¹
Flammability	Standard	B2 as per DIN 4102



COMPOSITE RM 37/250

Roof and wall sheet



SIDE LAP DETAIL

General Features

a. Mechanical Characteristic of the foam (At Overall Density of 38 - 40 kg/m³)

- Tensile stress: 150 kpa
- Compression resistance: 100 kpa
- Shear resistance: 100 kpa
- Fire property: B2 as per DIN 4102

b. Insulation capacity

- K value (Thermal Conductivity of PIR) - 0.0236 W/mK
- Tolerance + / - 0.002

c. Water absorption of the foam

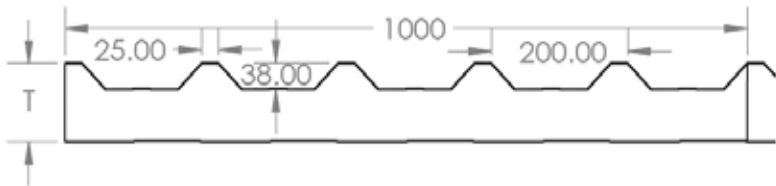
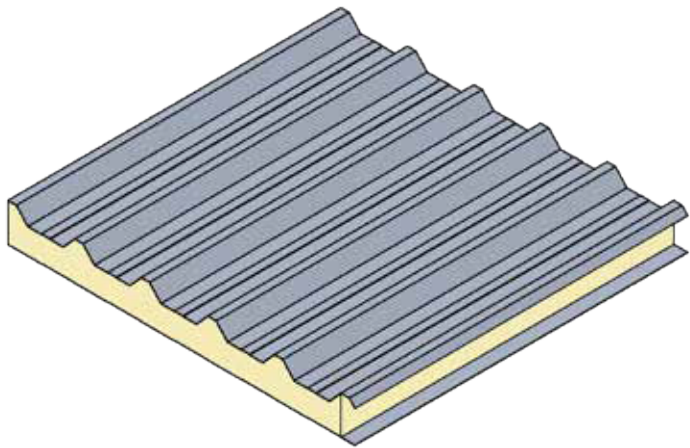
- After 24 hours: 1.0% of volume

Core thickness T (mm)	Thermal Conductance U-Value (W/m ² k)	Thermal Resistance R-Value (W/m ² k)
50	0.397	2.515
75	0.279	3.574
100	0.215	4.633



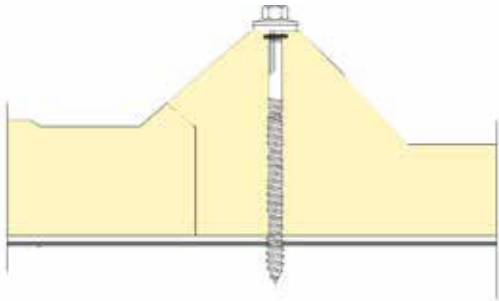
COMPOSITE RM 38/200

Roof and wall sheet



Units in millimeters (mm.)

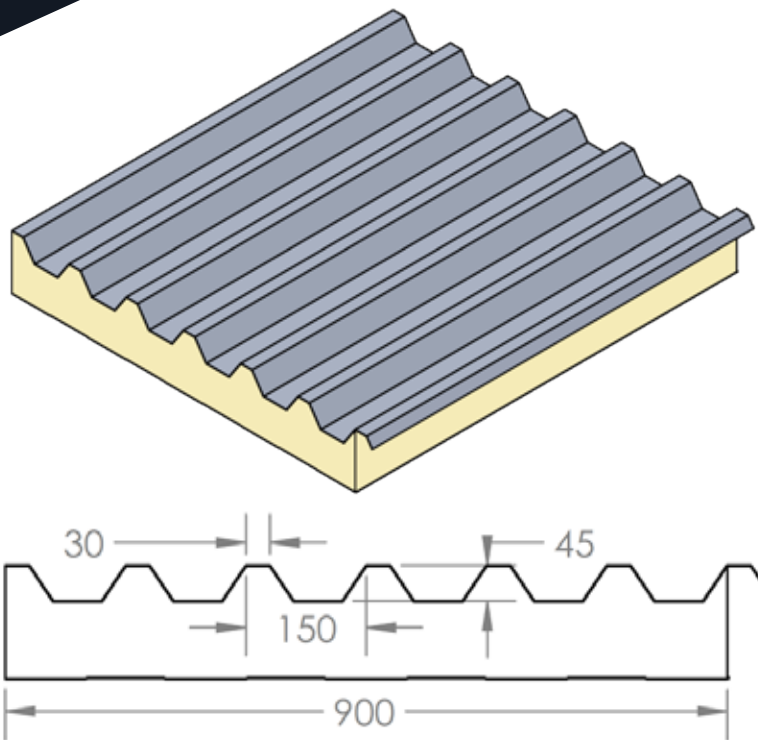
Core thickness T (mm)	Thermal conductance (W.m ⁻¹ .K ⁻¹)	Thermal resistance (m.K.W ⁻¹)
35	0.504	1.970
50	0.383	2.605
75	0.272	3.667
100	0.211	4.725





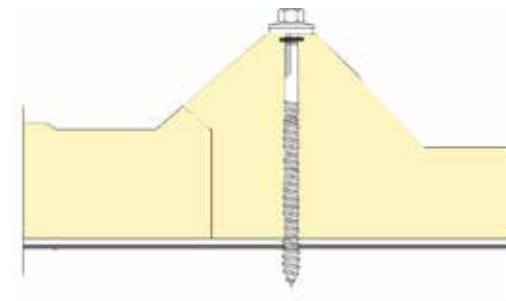
COMPOSITE RM 45/150

Roof and wall sheet



Units in millimeters (mm.)

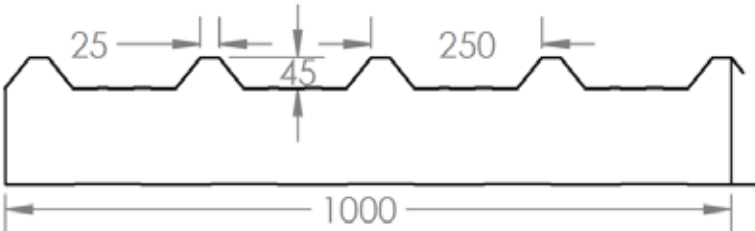
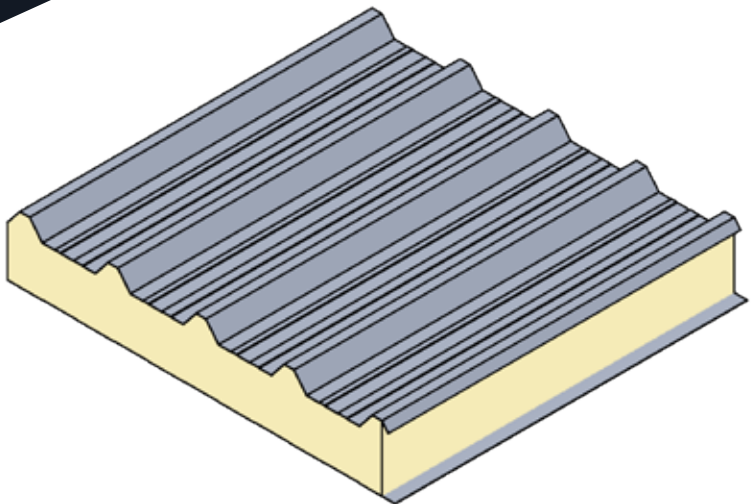
Core thickness T (mm)	Thermal conductance ($W.m^{-1}.K^{-1}$)	Thermal resistance ($m.K.W^{-1}$)
35	0.445	2.245
50	0.347	2.881
75	0.253	3.940
100	0.200	5.000





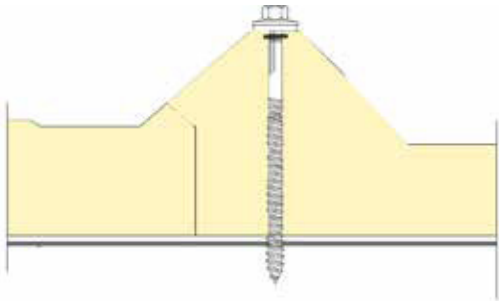
COMPOSITE RM 45/250

Roof and wall sheet



Units in millimeters (mm.)

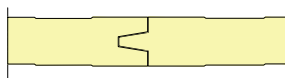
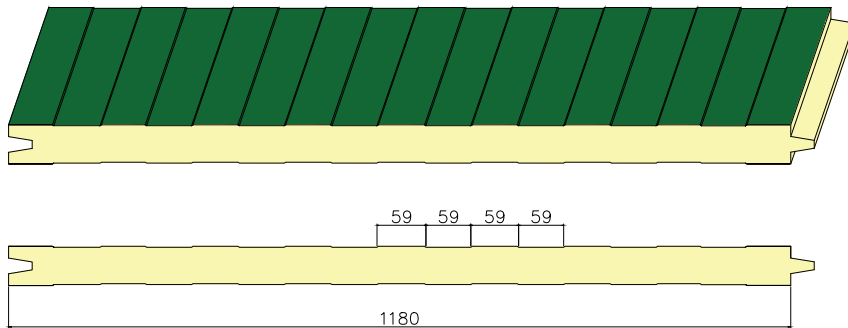
Core thickness T (mm)	Thermal conductance (W.m ⁻¹ .K ⁻¹)	Thermal resistance (m.K.W ⁻¹)
35	0.504	1.970
50	0.383	2.605
75	0.272	3.667
100	0.211	4.725





Flat Panel - Tongue and Groove with Cam lock

Wall sheet



SIDE LAP DETAIL



General Features

a. Mechanical Characteristic of the foam (At Overall Density of 38 - 40 kg/m³)

- Tensile stress: 150 kpa
- Compression resistance: 100 kpa
- Shear resistance: 100 kpa
- Fire property: B3 as per DIN 4102

b. Insulation capacity

- K value (Thermal Conductivity of PIR) - 0.0236 W/mK
- Tolerance + / - 0.002

c. Water absorption of the foam

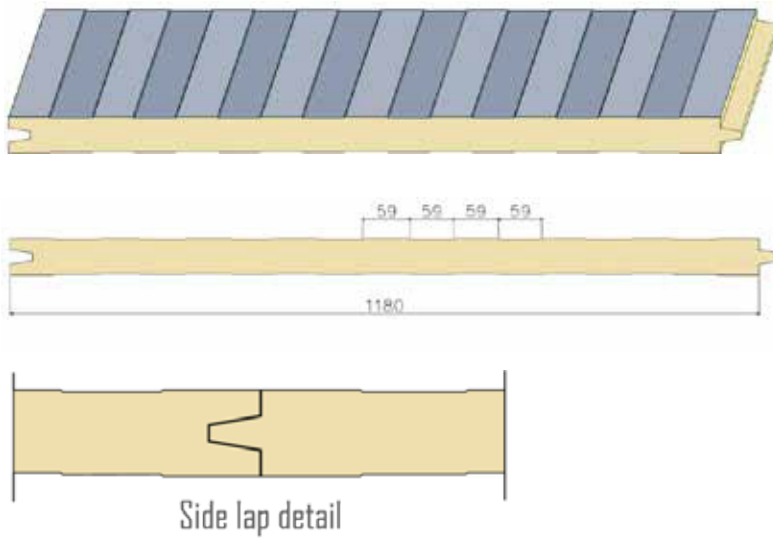
- After 24 hours: 1.0% of volume

Core thickness (mm)	Thermal Conductance U-Value (W/m ² k)	Thermal Resistance R-Value (W/m ² k)
35	0.674	1.483
50	0.472	2.118
75	0.314	3.178
100	0.236	4.237



COMPOSITE FLAT PANEL (MICRO RIB)

Tongue and groove

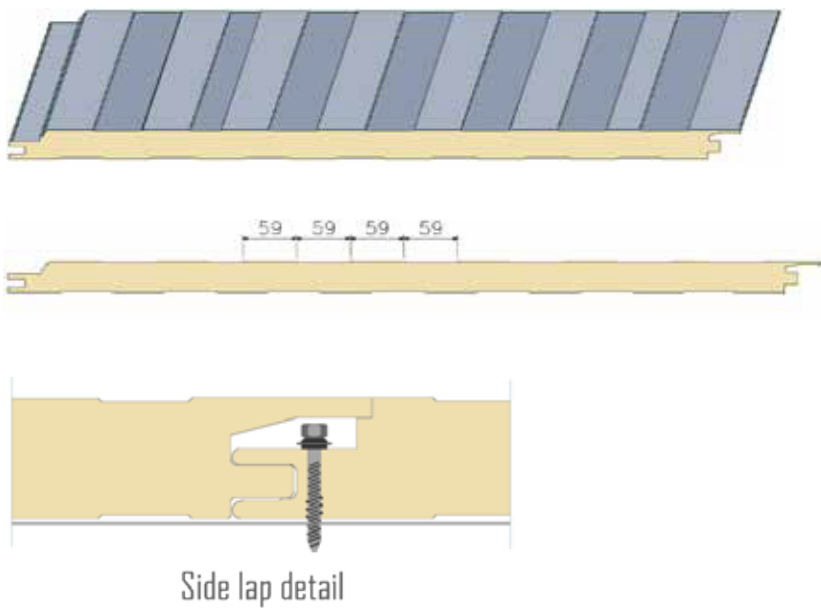


Core thickness T (mm)	Thermal conductance (W.m ⁻² .K ⁻¹)	Thermal resistance (m.K.W ⁻¹)
35	0.674	1.483
50	0.472	2.118
75	0.314	3.178
100	0.236	4.237



COMPOSITE FLAT PANEL (MICRO RIB)

Hidden fix

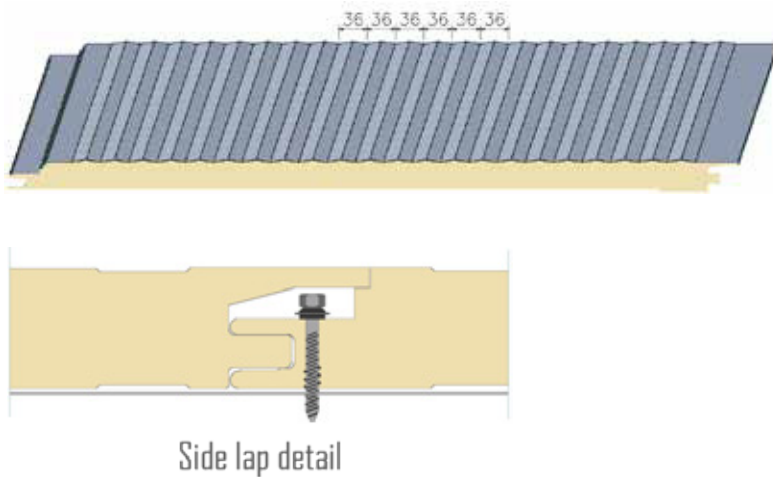


Core thickness T (mm)	Thermal conductance (W.m ⁻² .K ⁻¹)	Thermal resistance (m.K.W ⁻¹)
50	0.383	2.605
75	0.272	3.667
100	0.211	4.725



COMPOSITE FLAT PANEL (MICRO WAVE)

Hidden fix

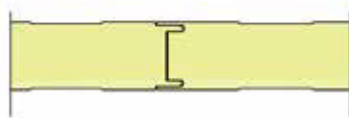
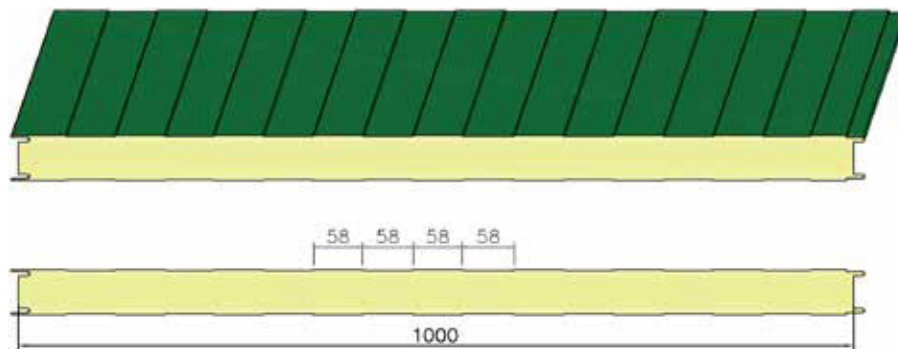


Core thickness T (mm)	Thermal conductance (W.m ⁻² .K ⁻¹)	Thermal resistance (m.K.W ⁻¹)
50	0.383	2.605
75	0.272	3.667
100	0.211	4.725



Composite Flat Panel

Slip Joint



SIDE LAP DETAIL

General Features

a. Mechanical Characteristic of the foam (At Overall Density of 38 - 40 kg/m³)

- Tensile stress: 150 kpa
- Compression resistance: 100 kpa
- Shear resistance: 100 kpa
- Fire property: B3 as per DIN 4102

b. Insulation capacity

- K value (Thermal Conductivity of PIR) - 0.0236 W/mK
- Tolerance + / - 0.002

c. Water absorption of the foam

- After 24 hours: 1.0% of volume

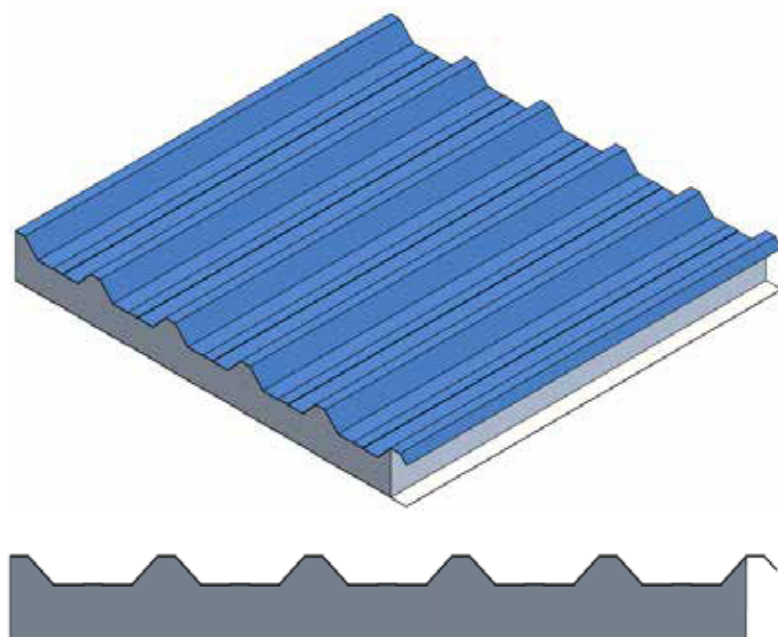
Core thickness (mm)	Thermal Conductance U-Value (W/m ² k)	Thermal Resistance R-Value (W/m ² k)
50	0.472	2.118
75	0.314	3.178
100	0.236	4.237



PROFILED COMPOSITE ROCKWOOL SHEETS

Aluminum and steel sheets can be made into insulated sandwich panels containing rockwool foam with different thicknesses

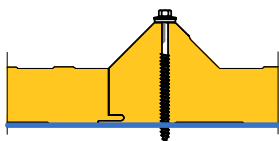
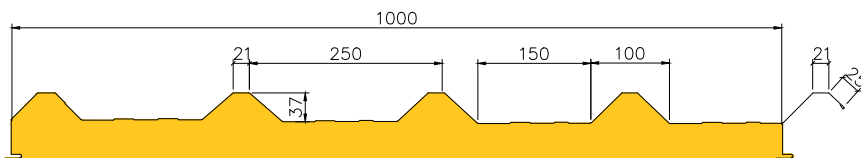
Rockwool



Physical	Composition	Rockwool
	Density	80-100 Kg.m ⁻³
Mechanical	Tensile Strength, Ultimate	15 KPa
	Compression resistance	55 KPa
	Shear resistance	35 KPa
Thermal	Avg. thermal conductivity	0.0351 W.m ⁻¹ .K ⁻¹
	Thermal expansion coefficient	20 ·10 ⁻⁶ °C ⁻¹
Flammability	Non-inflammable	Fire resistant (A1 grade EN13501-1 standard)



Rockwool Panel - RM 37/250



SIDE LAP DETAIL

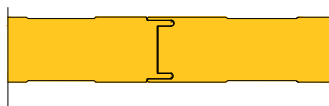
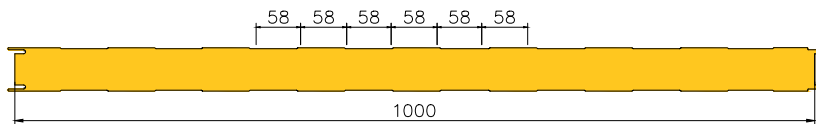
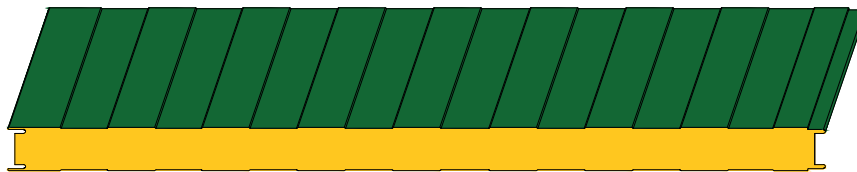
Advantages

- Perfect Fire resistance with A1 grade (EN 13501-1) inammable mineral rockwool
- Heat insulation
- Perfect acoustic solutions with perforated models
- Energy saver
- Economy in construction cost
- Requires less joint splice as a result of continuos production
- Custom designed production with continuous process
- Easy installation
- Color variety
- Long life cycle
- Environment friendly product
- Foam, CC, HCFC free
- Non- combustible

Core thickness (mm)	Thermal Conductance U-Value (W/m²k)	Thermal Resisance R-Value (W/m²k)
50	0.623	1.648
75	0.438	2.280
100	0.338	2.955



Rockwool Panel - Flat Panel Slip Joint



SIDE LAP DETAIL

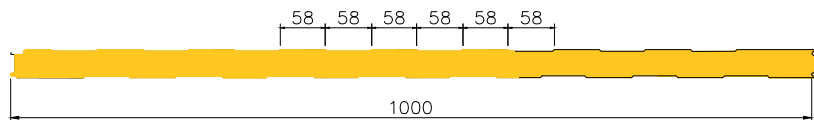
Advantages

- Perfect Fire resistance with A1 grade (EN 13501-1) inammable mineral rockwool
- Heat insulation
- Perfect acoustic solutions with perforated models
- Energy saver
- Economy in construction cost
- Requires less joint splice as a result of continuos production
- Custom designed production with continuous process
- Easy installation
- Color variety
- Long life cycle
- Environment friendly product
- Foam, CC, HCFC free
- Non- combustible

Core thickness (mm)	Thermal Conductance U-Value (W/m²k)	Thermal Resisance R-Value (W/m²k)
50	0.740	1.351
75	0.493	2.027
100	0.370	2.702



Rockwool Panel - Flat Panel Hidden Fix



SIDE LAP DETAIL

Advantages

- Perfect Fire resistance with A1 grade (EN 13501-1) inammable mineral rockwool
- Heat insulation
- Perfect acoustic solutions with perforated models
- Energy saver
- Economy in construction cost
- Requires less joint splice as a result of continuos production
- Custom designed production with continuous process
- Easy installation
- Color variety
- Long life cycle
- Environment friendly product
- Foam, CC, HCFC free
- Non- combustible

Core thickness (mm)	Thermal Conductance U-Value (W/m²k)	Thermal Resisance R-Value (W/m²k)
50	0.740	1.351
75	0.493	2.027
100	0.370	2.702

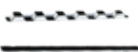


ACCESSORIES





ACCESSORIES

IMAGE	ACCESSORY	APPLICATION	DESCRIPTION
	Self-drilling screws Self-tapping screws	Fixing of thin sandwich panels and single skin sections. Fixing of thick sandwich panels and single skin sections.	Type A: Thread of 2.54cm – pointed end. Use on wood and steel purlins (<3mm in thickness). 19mm diam. washer. 6.5x25 mm 6.5 x 75 mm 6.5 x 115 mm Type B: Thread of 1.81cm – Flat end. Use on steel purlins (>3mm in thickness). 19mm diam. washer. WxH dimensions same as above.
	Screw cap (optional)	Colored plastic caps to fit hexagonal head of screw and cover washer.	
	POP blind rivets	Sealed type – 99.5% pure aluminum material composition to match BS1475 A199.5 alloy standards. Mandrel: Aluminum (Al). PD 68A 48x11.4 mm. Both Tensile and Shear strengths: 1060N (240 lbf)	
	Butyl strip	By hand direct from roll. Apply firmly to one joint surface, remove backing paper, and press another surface firmly onto strip face.	Roofing and cladding – gutter joints, side and end laps (special U-shape strip available for double seal on end laps), joining single skin roof lights. Composition: blend of cross-linked butyl and inert fillers extruded into strip or bead to form a roll, with a paper backing.
	Purlin tape	Polyester / cotton cloth laminated to a polyethylene backing with a high tack, natural rubber adhesive. Color: silver.	
	Filler block Top and bottom	Sealing all roofing/cladding profiles against water/water vapors ingress. Roof light fillers. Eaves and ridge fillers.	



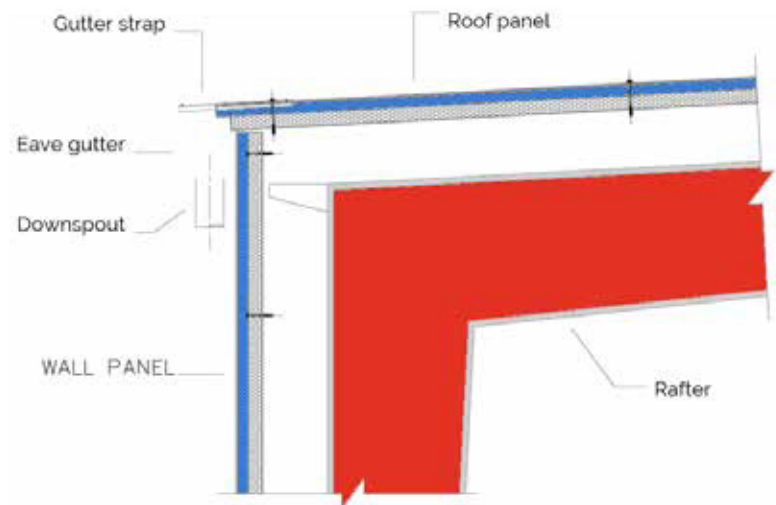
COMPONENTS



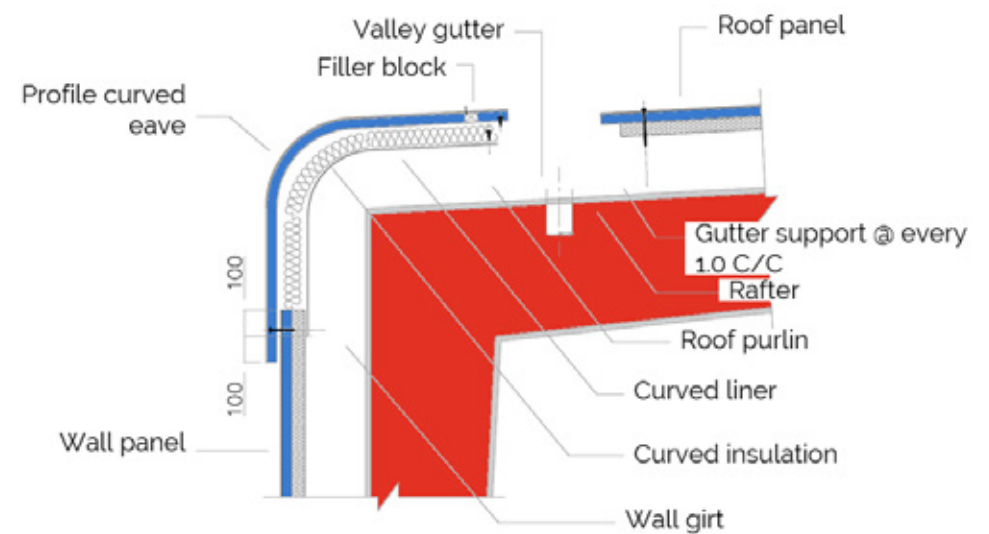
CURVED EAVES

Optional curved eaves are available in lieu of gutters and downspouts. They are available in different sizes and shapes

Eave gutter



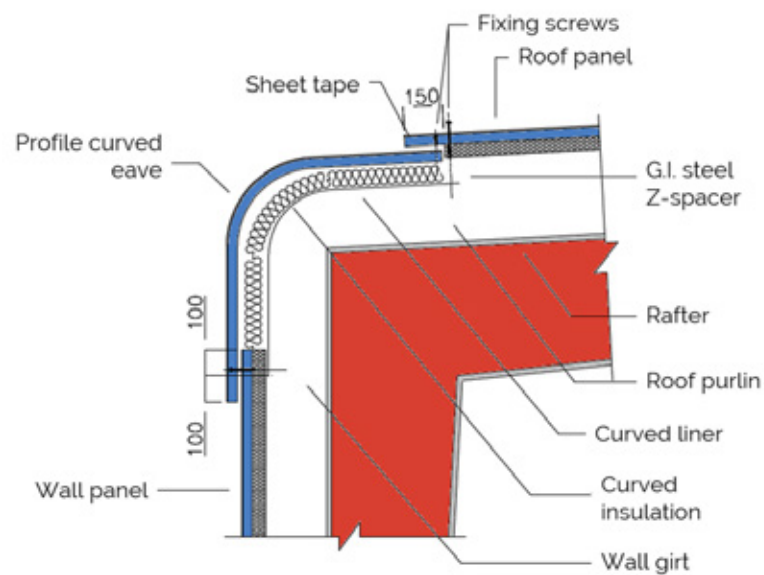
Curve eave with valley gutter



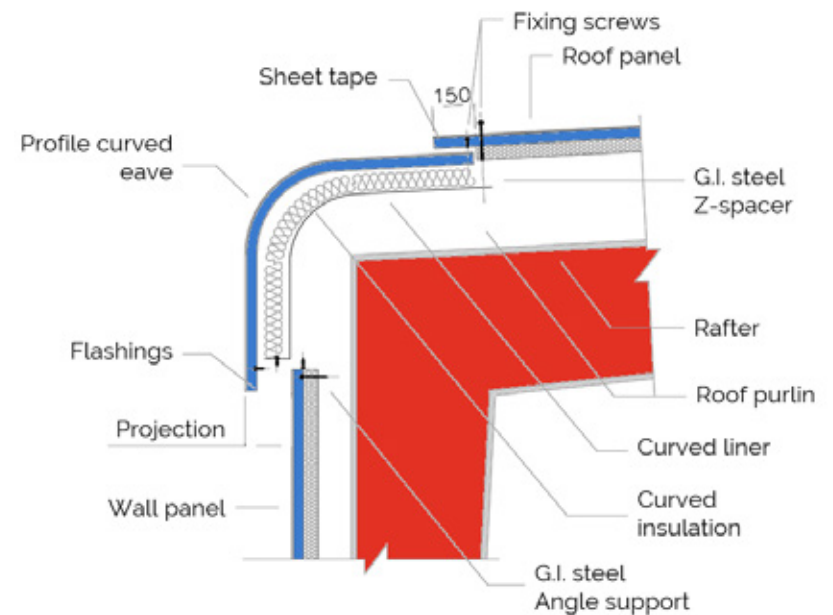
CURVED EAVES

Optional curved eaves are available in lieu of gutters and downspouts. They are available in different sizes and shapes

Curve eave without projection



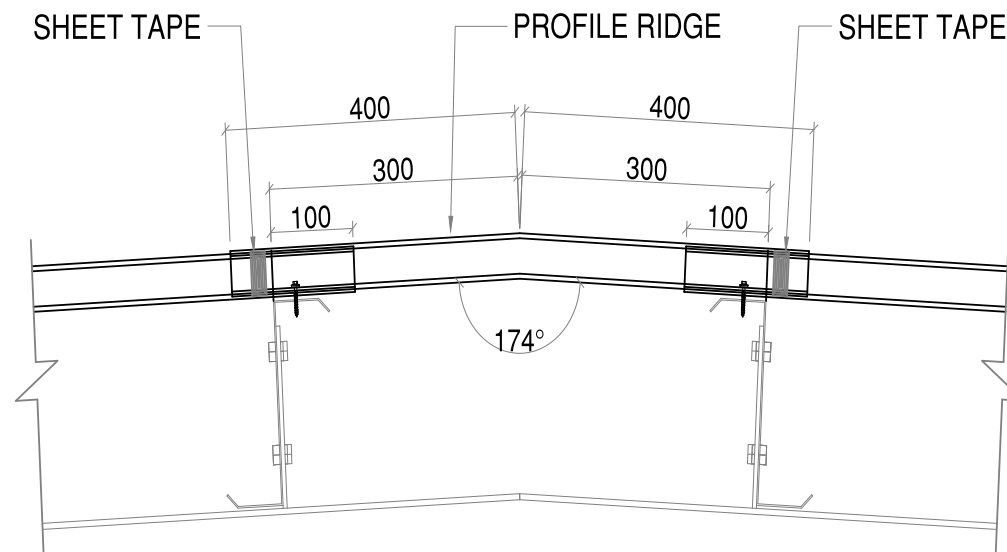
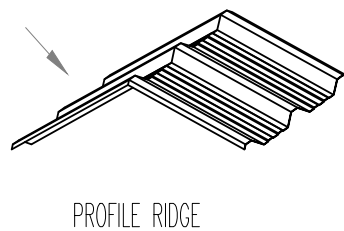
Curve eave with projection





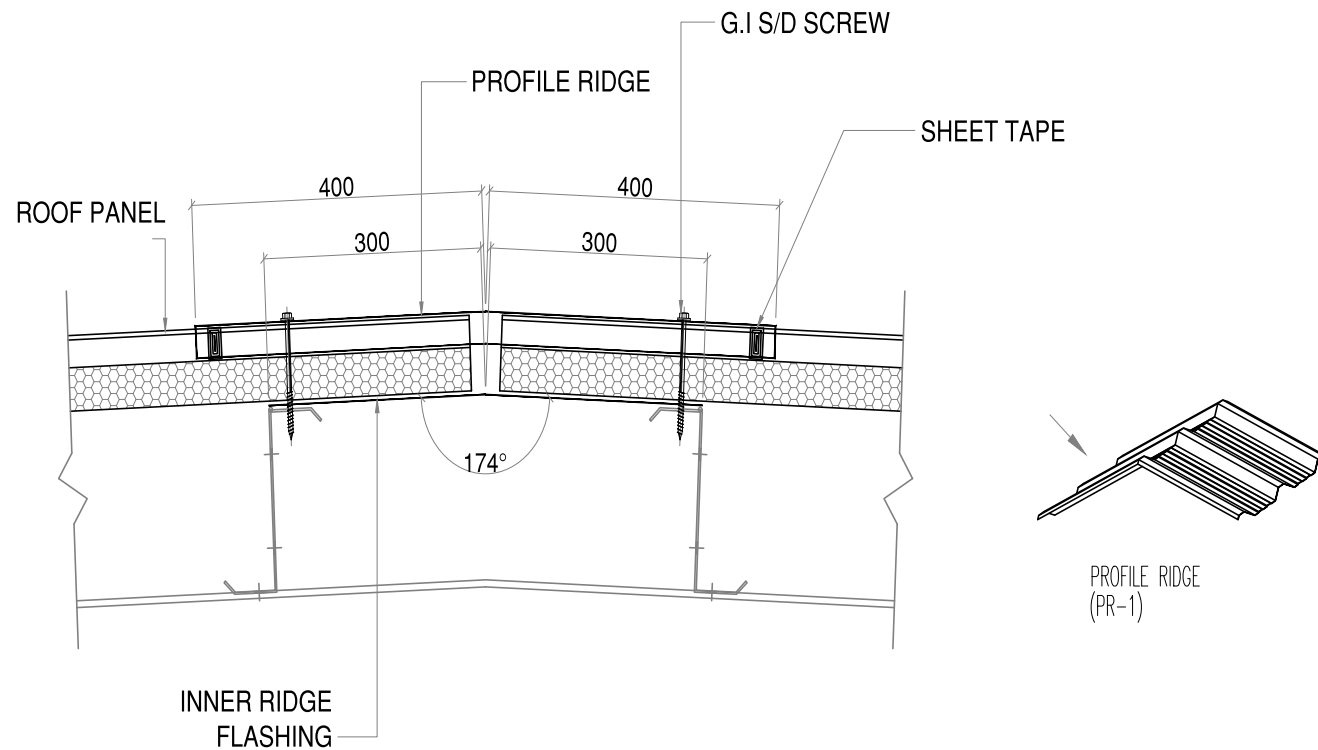
COMPONENTS

RIDGES for Single skin



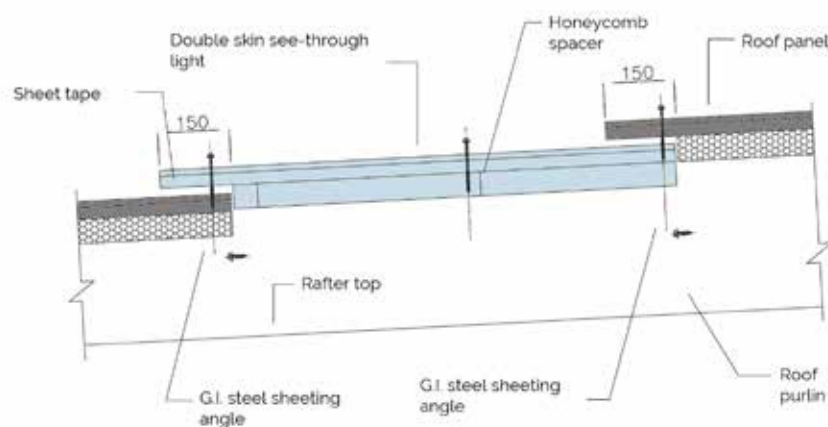


RIDGES for Sandwich Panel



SKYLIGHT PANEL

Double skin



General Features

a. Mechanical Data

- **Thickness** : 1.5 mm top profile sheet & 1mm liner sheet
- **Colour** : Translucent
- **Tensile strength**: 85 N/mm²
- **Impact strength**: 75 mJ/mm²
- **Flexural strength**: 140 N/mm²
- **Shear strength**: 70 N/mm²
- **Elastic modulus**: 8000 N/mm²
- **Flexural modulus**: 6000 N/mm²
- **Hardness**: 40 to 45

b. Thermal data

- Thermal Conductivity (K-value): 0.145 W/mK
- Thermal transmittance (U-value): 2.15 W/mK
- Thermal expansion coefficient: 24×10^{-6} m/c°
- Operating temperature: -20 °C to +90 °C

c. Water absorption: 0.3% by mass after 24 hrs at 22 °C

d. Transmission of light (VLT): 65-75 %

e. Recommended purlin spacing: 1500 mm or less

f. Dimensional Tolerance: Length: ± 5 mm // Width: ± 5 mm

Caution: Not suitable for foot traffic.

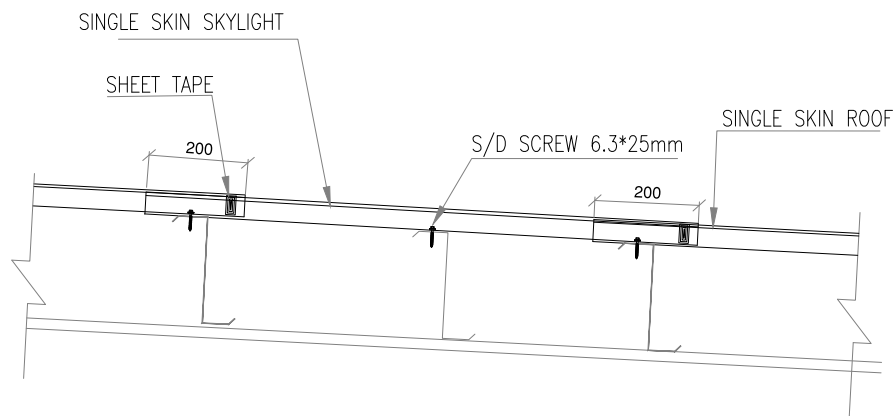
Note: End lap and side lap seating may have slight gaps due to difference in material, thickness and manufacturing process, these gaps at end and side lap to be resolved by providing extra sealant and pop rivets.



COMPONENTS

SKYLIGHT PANEL

Single skin



General Features

a. Mechanical Data

- Thickness : 1 mm
- Colour : Clear
- Tensile strength: 85 N/mm²
- Impact strength: 75 mJ/mm²
- Flexural strength: 140 N/mm²
- Shear strength: 70 N/mm²
- Elastic modulus: 8000 N/mm²
- Flexural modulus: 6000 N/mm²
- Hardness: 40 to 45

b. Thermal data

- Thermal Conductivity (K-value): 0.145 W/mK
- Thermal transmittance (U-value): 2.15 W/mK
- Thermal expansion coefficient: 24×10^{-6} m/c°
- Operating temperature: -20 °C to +90 °C

c. Water absorption: 0.3% by mass after 24 hrs at 22 °C

d. Transmission of light (VLT): 70-80 %

e. Recommended purlin spacing: 1500 mm or less

f. Dimensional Tolerance: Length: ± 5 mm // Width: ± 5 mm

Caution: Not suitable for foot traffic.

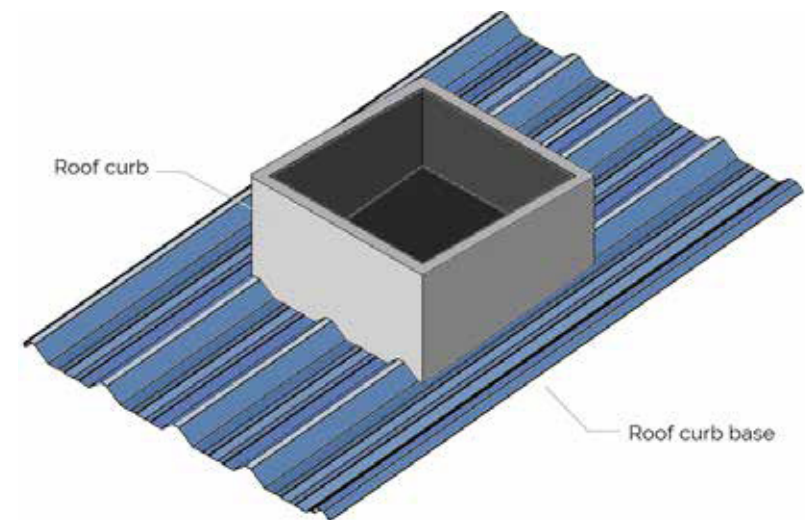
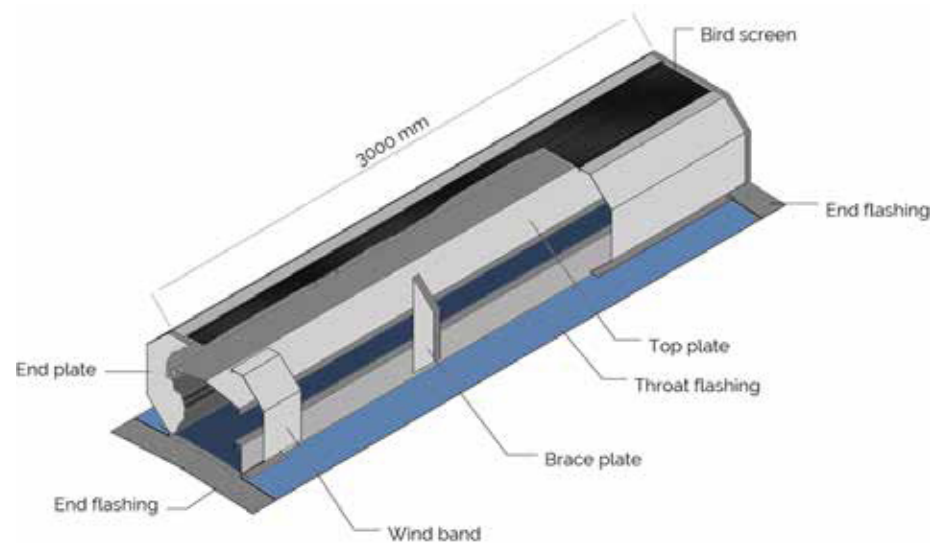
Note: End lap and side lap seating may have slight gaps due to difference in material, thickness and manufacturing process, these gaps at end and side lap to be resolved by providing extra sealant and pop rivets.



COMPONENTS

ROOF CURB

Optional curved eaves are available in lieu of gutters and downspouts. They are available in different sizes and shapes

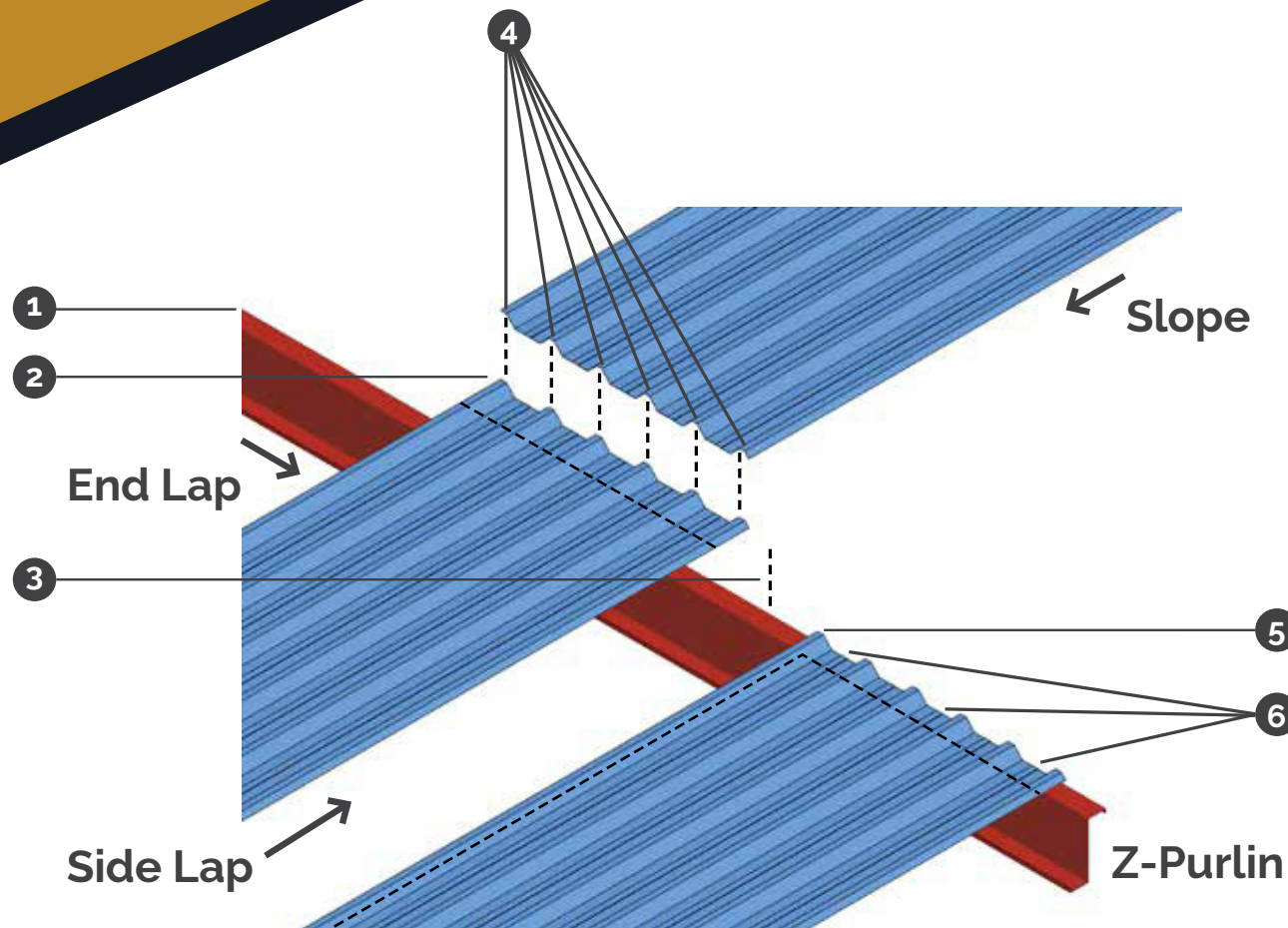




ASSEMBLY



ERECTION INSTRUCTIONS



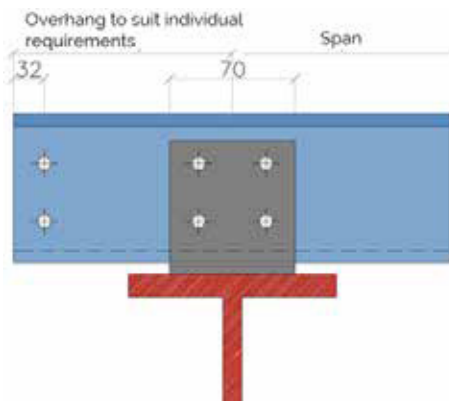
1		Purlin tape for aluminum sheet or lining only.
2		Sheet tape
3		Pop rivets fixing C/C 300mm
4		S/S G.I Steel screw with washer fixing through every crown / valley on end laps
5		Sheet tape
6		S/S G.I Steel screw with washer fixing through second valley/all valleys as per design



PURLINS

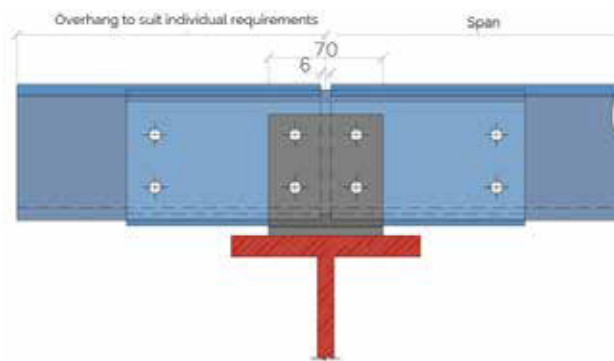
PURLIN SLEEVE SYSTEM

Purlins are normally produced with standard end holes in every purlin. Overhang fixing holes are then added to suit individual requirements.



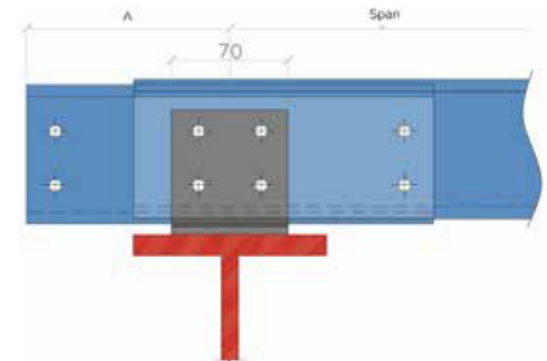
Permanent gable

Purlin or side rail extended in length to suit desired overhang.



Future extension gable

Stub purlin used to achieve desired overhang is greater than half of the standard sleeve length.



Future extension gable

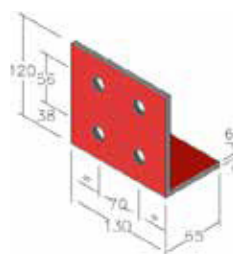
Standard sleeve cut down to suit desired overhang.

Purlins or max. overhang

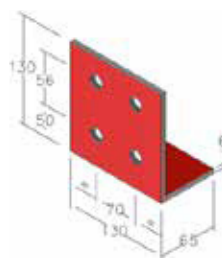
Side Rail	122 Series	142 Series	172 Series	202 Series	232 Series	262 Series	300 Series
Dimension A (mm)	252	307	357	417	477	485	500

STANDARD PURLIN/RAIL CLEATS

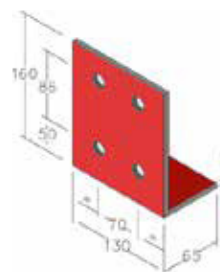
Standard cleats are normally supplied in back-bare metal suitable for welding into rafters. By arrangements, cleats can be supplied with additional holes in the base of angled-cleats for easier bolting into rafters. A hot-dipped finishing (galvanized or painted with a primer) is available upon request.



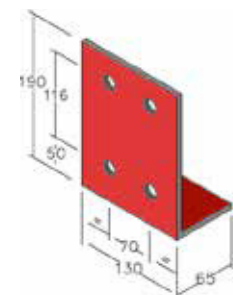
Serie 122
weight = 1.10kg



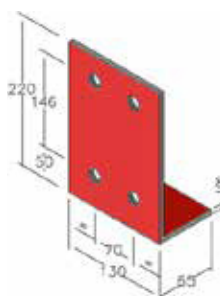
Serie 142
weight = 1.12kg



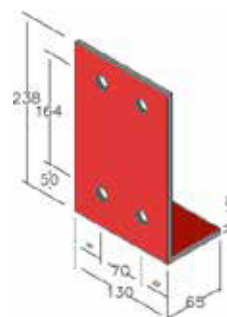
Serie 172
weight = 1.30kg



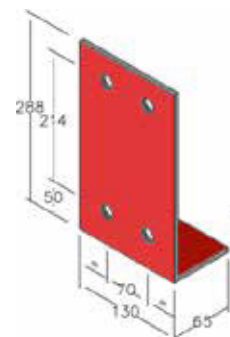
Serie 202
weight = 1.49kg



Serie 232
weight = 2.00kg



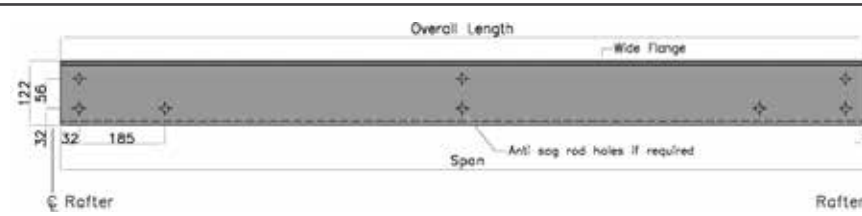
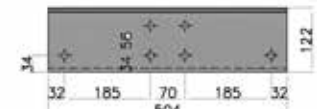
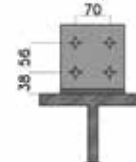
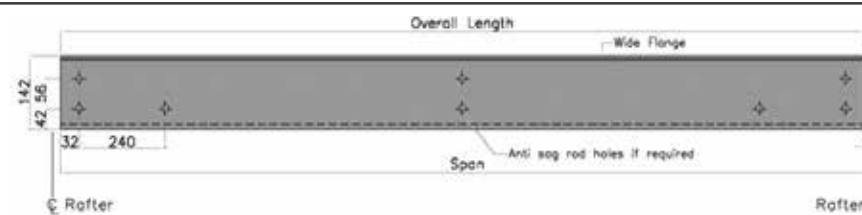
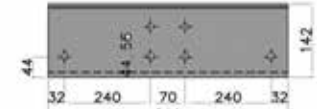
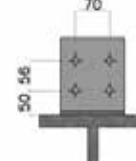
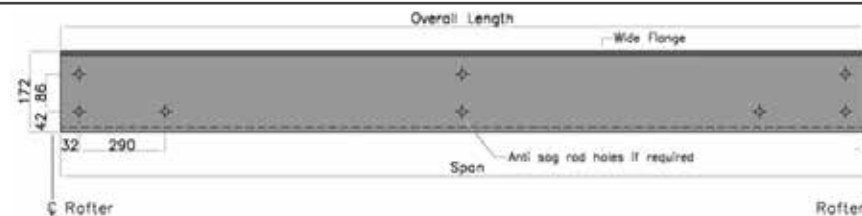
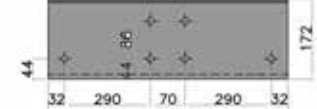
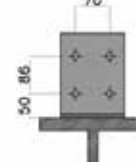
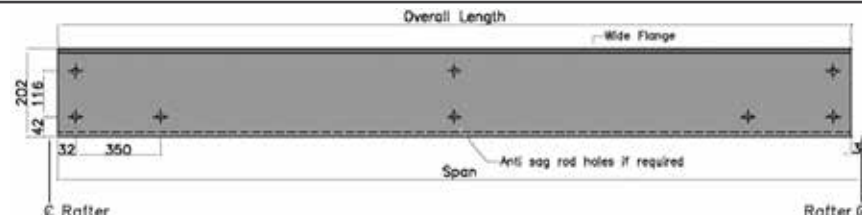
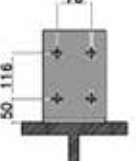
Serie 250
weight = 2.34kg



Serie 300
weight = 2.75kg

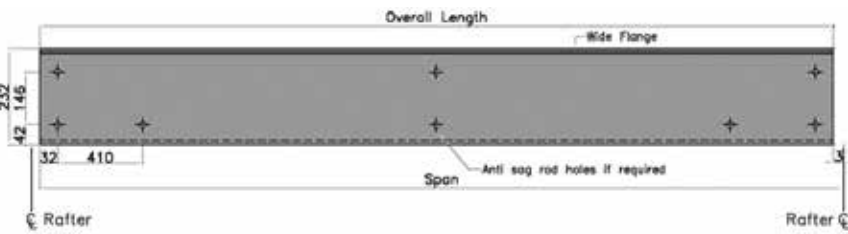
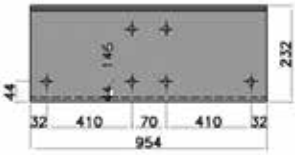
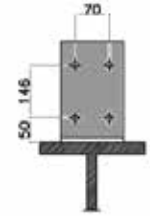
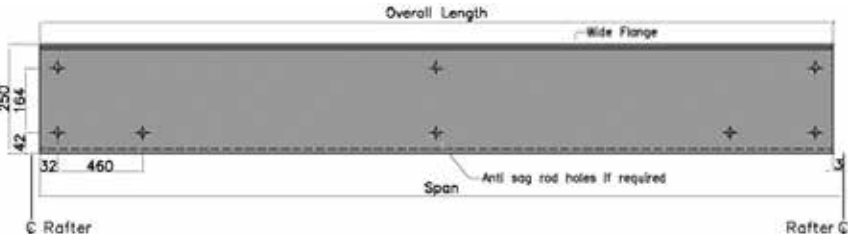
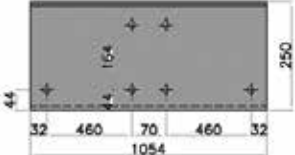
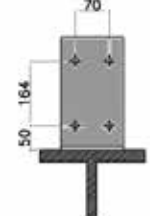
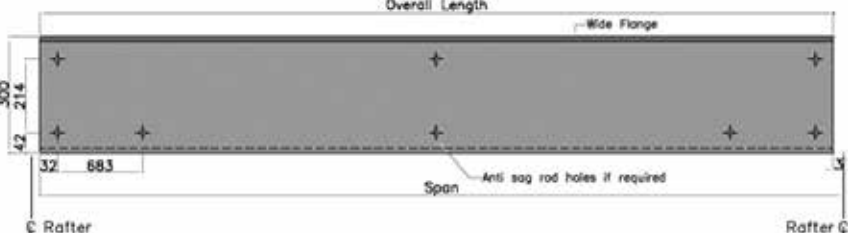
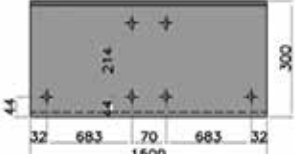
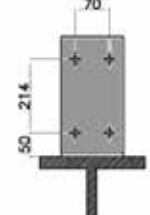
STANDARD PURLIN/RAIL CLEATS

(1/2)

	Standard piercing	Sleeves	Cleats
Series 122			
Series 142			
Series 172			
Series 202			

STANDARD PURLIN/RAIL CLEATS

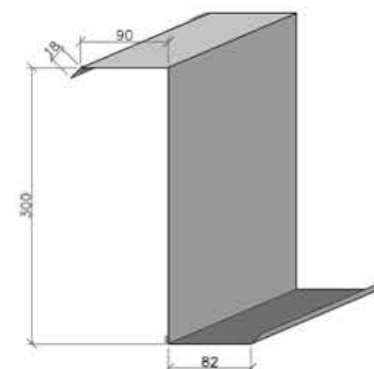
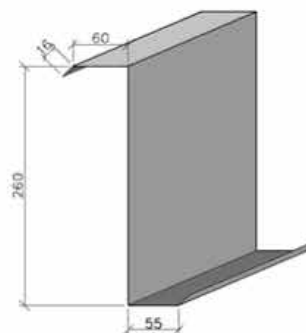
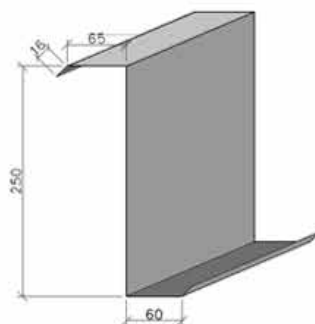
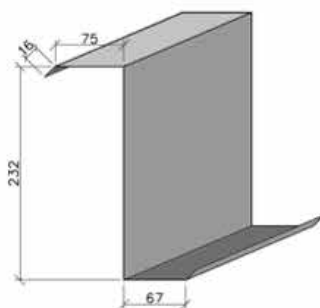
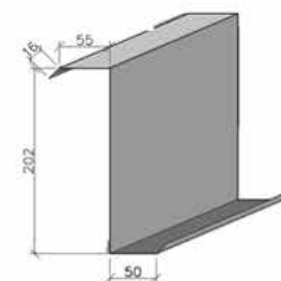
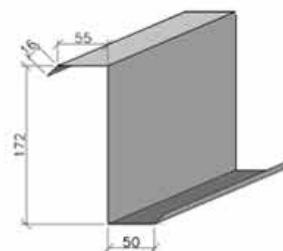
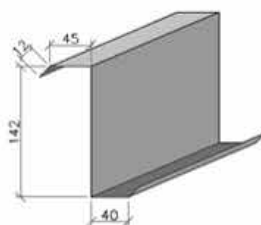
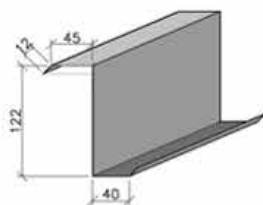
(2/2)

	Standard piercing	Sleeves	Cleats
Series 232			
Series 250			
Series 300			



PURLINS

Z-Purlins





Z-PURLINS LOADS

Section Reference	Weight Kg/m	Depth mm	Top mm	Bottom mm	Thick. mm	Ixx Cm ⁴	Iyy Cm ⁴	Zxx Cm ³	Zyy Cm ³	rxx mm	ryy mm
122 Z 15	2.72	142	45	40	1.50	71.00	31.30	14.52	4.66	46.25	17.84
122 Z 20	3.63	142	45	40	2.00	92.00	33.50	19.20	6.02	45.98	17.58
122 Z 25	4.53	142	45	40	2.50	138.90	35.70	23.68	7.27	45.74	17.32
142 Z 15	2.94	142	45	40	1.50	111.54	35.70	19.34	6.12	54.61	19.64
142 Z 20	3.93	142	45	40	2.00	146.28	46.20	25.40	7.96	54.36	19.30
142 Z 25	4.91	142	45	40	2.50	180.15	55.40	31.54	7.96	54.12	19.12
172 Z 15	3.59	172	55	50	1.50	228.10	44.20	26.25	6.97	66.37	25.33
172 Z 20	4.79	172	55	50	2.00	300.20	57.40	34.55	9.09	66.08	25.14
172 Z 25	5.99	172	55	50	2.50	370.40	69.80	42.63	11.10	65.84	24.95
202 Z 15	3.92	202	55	50	1.50	332.20	44.20	32.59	6.97	76.52	24.17
202 Z 20	5.23	202	55	50	2.00	437.70	57.40	42.94	9.08	76.31	23.98
202 Z 25	6.54	202	55	50	2.50	540.70	51.10	53.04	11.09	76.05	23.75
232 Z 15	4.79	232	72	65	1.50	500.40	65.00	42.59	8.78	89.82	32.68



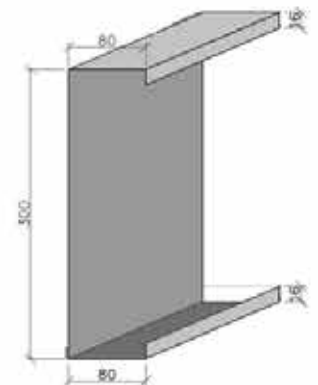
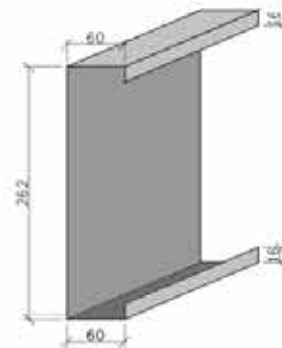
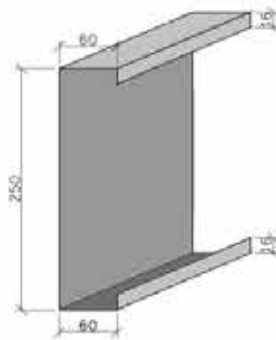
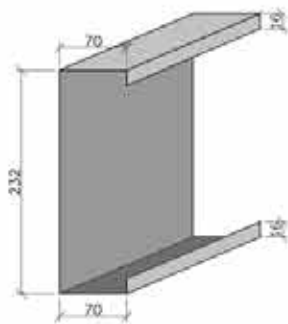
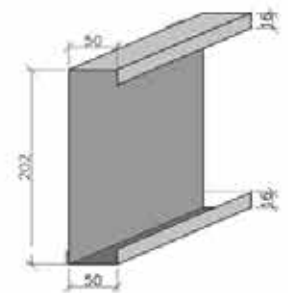
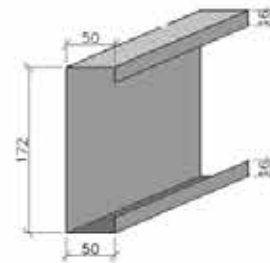
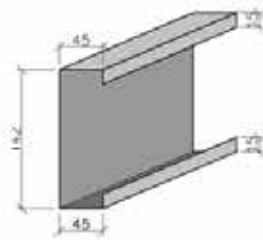
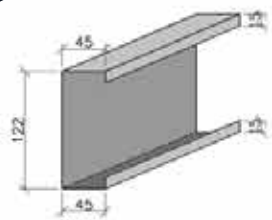
Z-PURLINS LOADS

Section Reference	Weight Kg/m	Depth mm	Top mm	Bottom mm	Thick. mm	Ixx Cm ⁴	Iyy Cm ⁴	Zxx Cm ³	Zyy Cm ³	rx mm	ry mm
232 Z 20	6.39	232	72	65	2.00	660.30	84.60	56.20	11.47	89.54	32.54
232 Z 25	7.99	232	72	65	2.50	816.80	103.30	69.51	14.04	89.28	32.35
250 Z 15	4.79	250	65	60	1.50	592.50	70.04	47.62	9.26	94.28	27.25
250 Z 20	6.39	250	65	60	2.00	781.85	91.20	62.73	12.07	93.94	27.05
250 Z 25	7.99	250	65	60	2.50	967.65	111.30	77.62	14.78	93.68	26.86
250 Z 30	9.58	262	65	60	3.00	1136.65	127.60	90.33	16.92	93.40	26.64
262 Z 15	4.79	262	60	55	1.50	728.30	78.10	54.83	10.03	98.25	26.84
262 Z 20	6.39	262	60	55	2.00	903.40	95.90	68.01	12.34	97.98	26.65
262 Z 25	7.99	262	60	55	2.50	1118.50	117.10	84.20	15.13	97.72	26.40
262 Z 30	9.58	262	60	55	3.00	1287.40	133.40	96.91	17.27	97.46	26.14
302 Z 15	5.89	302	90	82	1.50	1362.70	135.70	89.15	15.48	115.82	37.45
302 Z 20	7.85	302	90	82	2.00	1362.70	135.70	89.15	15.48	115.60	37.28
302 Z 25	9.81	302	90	82	2.50	1689.00	166.20	110.50	19.01	115.36	37.08
302 Z 30	11.78	302	90	82	3.00	1945.90	189.60	127.31	21.73	115.08	36.92



PURLINS

C-Purlins





C-PURLINS LOADS

Section Reference	Weight Kg/m	Area cm ²	Depth mm	Flange mm	Thick. mm	Ixx Cm ⁴	Iyy Cm ⁴	Zxx Cm ³	Zyy Cm ³	rx mm	ry mm
120 C 15	2.87	3.81	112.00	45.00	1.50	81.35	20.19	14.52	4.66	4.62	2.30
120 C 20	3.83	6.04	112.00	45.00	2.00	106.54	26.20	19.20	6.02	4.60	2.28
120 C 25	4.79	6.04	112.00	45.00	2.50	131.25	32.48	23.64	7.48	4.56	2.27
142 C 15	2.94	4.30	142.00	40.00	1.50	142.40	23.50	20.05	5.28	5.53	2.32
142 C 20	3.93	5.68	142.00	40.00	2.00	187.00	30.50	26.34	6.86	5.70	2.30
142 C 25	4.91	5.68	142.00	40.00	2.50	228.48	36.94	32.68	8.45	2.89	2.28
172 C 15	3.59	4.91	172.00	50.00	1.50	233.80	30.70	27.18	6.24	6.85	2.48
172 C 20	4.79	6.48	172.00	50.00	2.00	307.60	39.90	35.77	8.13	6.83	2.46
172 C 25	5.99	8.01	172.00	50.00	2.50	379.50	48.70	44.13	9.92	6.80	2.44
202 C 15	3.92	5.36	202.00	50.00	1.50	339.20	32.20	33.58	6.35	7.90	2.43
202 C 20	5.23	7.08	202.00	50.00	2.00	446.90	41.90	44.25	8.26	7.88	2.41
202 C 25	6.54	8.76	202.00	50.00	2.50	551.90	51.10	54.65	10.09	7.85	2.39
232 C 15	4.79	6.11	232.00	70.00	1.50	503.00	44.40	43.36	7.90	9.04	2.69

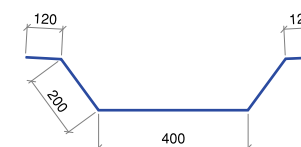
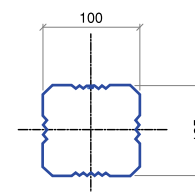
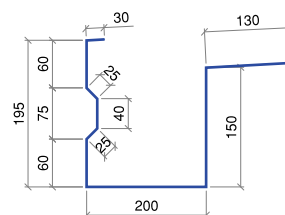
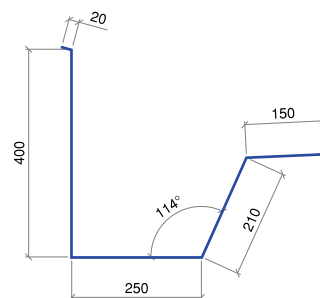
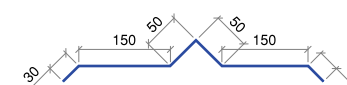
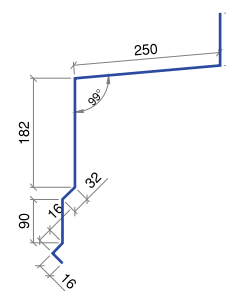
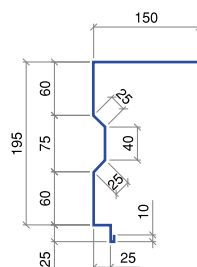
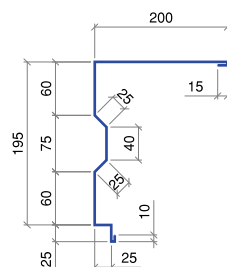
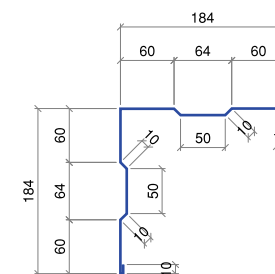
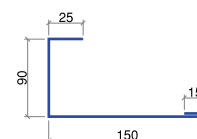
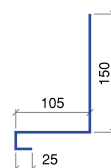
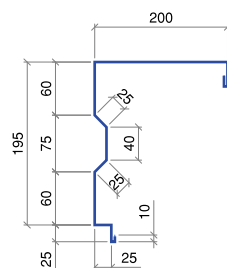


C-PURLINS LOADS

Section Reference	Weight Kg/m	Area cm ²	Depth mm	Flange mm	Thick. mm	Ixx Cm ⁴	Iyy Cm ⁴	Zxx Cm ³	Zyy Cm ³	rx mm	ry mm
232 C 20	6.39	8.08	232.00	70.00	2.00	663.70	57.90	57.22	10.31	9.02	2.66
232 C 25	7.99	10.01	232.00	70.00	2.50	820.90	70.80	70.77	12.61	8.99	2.64
252 C 15	4.79	6.11	262.00	60.00	1.50	551.00	46.40	49.72	8.54	9.52	2.72
252 C 20	6.39	8.08	262.00	60.00	2.00	721.40	59.60	66.24	10.82	9.49	2.70
252 C 25	7.99	10.01	262.00	60.00	2.50	878.50	72.80	82.84	13.18	9.48	2.68
252 C 25	9.58	10.94	262.00	60.00	3.00	1035.25	85.60	99.45	15.40	9.46	2.65
262 C 15	4.79	7.10	262.00	60.00	1.50	733.90	55.30	56.03	9.19	10.12	2.78
262 C 20	6.39	8.82	262.00	60.00	2.00	910.40	68.00	69.49	11.31	10.10	2.76
262 C 25	7.99	10.94	262.00	60.00	2.50	1127.00	83.20	86.03	13.85	10.08	2.74
262 C 30	9.58	10.94	262.00	60.00	3.00	1342.00	98.40	102.58	16.72	10.06	2.72
302 C 15	5.89	8.68	300.00	80.00	1.50	1171.90	82.50	77.40	12.40	11.63	3.07
302 C 20	7.85	10.06	300.00	80.00	2.00	1369.30	95.70	90.68	14.22	11.61	3.05
302 C 25	9.81	11.52	300.00	80.00	2.50	1566.70	108.80	103.76	16.17	11.59	3.03
302 C 30	11.78	12.49	300.00	80.00	3.00	1697.20	117.30	112.40	17.45	11.58	3.02

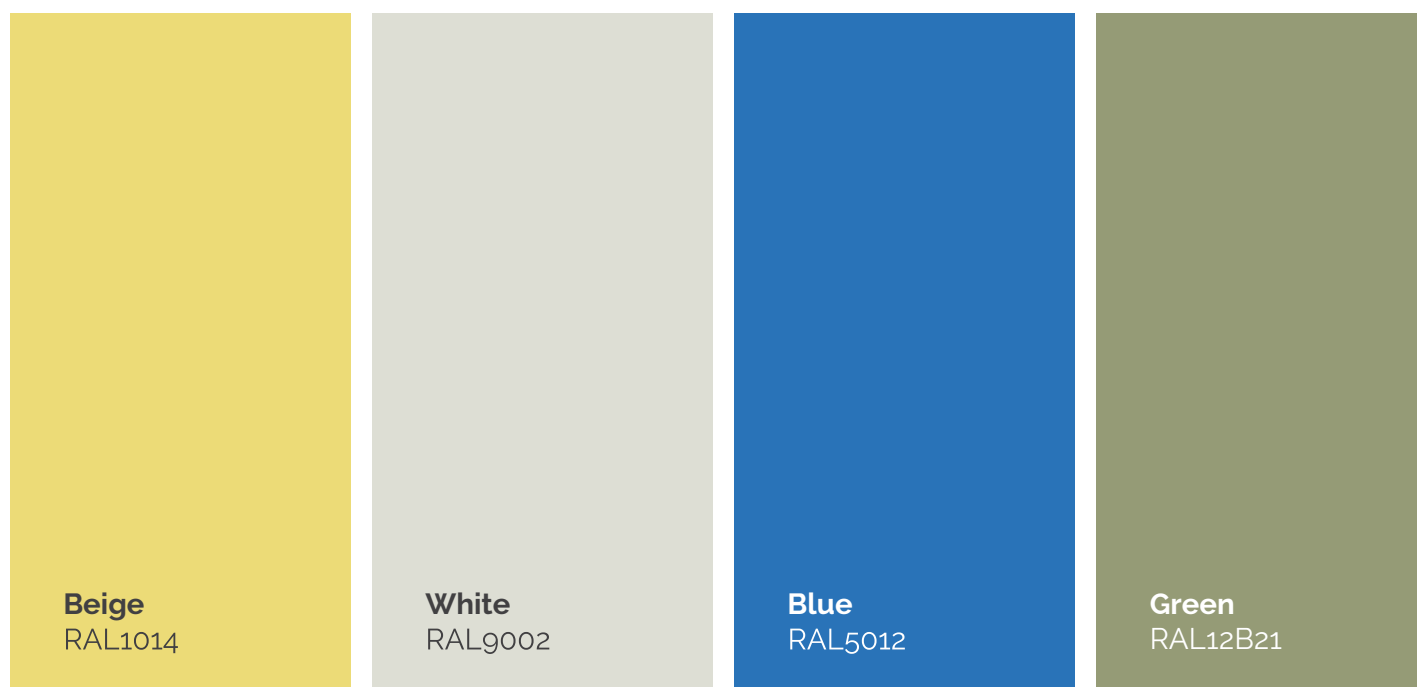


FLASHING





Color Chart



This color chart displays samples of color only. You are advised to obtain a metal sample for specific color matches.



شركة المبنى الحديدي للمقاولات



السجل التجاري: 1010830340

رمزك التجاري QR Code

من خلاله يمكنك التحقق المباشر من المعلومات:

- السجل التجاري
- رخصة البلدية
- شهادة السعودة
- برنامج نطاقات
- شهادة الزكاة
- الغرفة التجارية



Approved Supplier Certificate

TO WHOMSOEVER IT MAY CONCERN

Dear Sir,

We hereby undertake, acknowledge and confirm that M/S Establishment Al Mabna Al Hadidi For Contracting [Iron Building Steel Construction] is our approved Supplier and shall abide by the following conditions,

- The Supplier shall comply with all the laws, rules and regulations and any other related regulations of the Authority/Employer/Engineer as may be implemented from time to time.
- The Supplier shall accept full responsibility and liability of all sub-contractors hired by himself.
- This document together with the laws, rules and regulations of the Authority/Employer/Engineer governs the operation of the Supplier on the Project. The Authority in the exercise of its administrative power shall enforce all the remedies available including eviction of the Supplier or revocation of the Supplier's permit in the event of any infringement of the terms of this document, drawings, specifications and any laws, rules and regulations of the Authority/Employer/Engineer.

Date: 01 Jun 2022

Trade License Name & No.: ROOF METAL IND LLC (600427)

Address: PO BOX 43908 SHARJAH, UAE

Undertaking By:

Mr. SAMIR MILAN

Managing Director



RMF ROOF METAL IND L.L.C. (R.M.F. ROOF METAL IND L.L.C.)
P.O. Box: 43908, Sharjah - U.A.E. Tel: (00906) 545 9106 Email: rm@rmfuae.com Web: www.roofmetalindustries.com



تاريخ الإصدار: 2022/12/12
الرقم المميز: 3114215209



الهيئة العامة للزكاة والدخل
General Authority of Zakat & Tax



شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلّف أدناه مسجل في ضريبة القيمة المضافة بتاريخ 2022/12/12

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is VAT registered on 12/12/2022

اسم المكلّف:	شركة المبنى الحديدي للمقاولات
رقم التسجيل الضريبي:	311421520900003
تاريخ نفاذ التسجيل:	2023/01/01
عنوان المكلّف:	الرياض، الرياض، طريق الامام عبدالله بن سعود بن عبدالعزيز، 13217



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ العقوبات المستحقة

هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع
- الهيئة العامة للزكاة والدخل -

Approved Installer Certificate

TO WHOMSOEVER IT MAY CONCERN

Dear Sir,

We here by undertake, acknowledge and confirm that **M/S Establishment Al Mabna Al Hadidi For Contracting [Iron Building Steel Construction]** is our approved Installer and shall abide by the following conditions,

- The Installer shall comply with all the laws, rules and regulations and any other related regulations of the Authority/Employer/Engineer as may be implemented from time to time.
- The Installer shall accept full responsibility and liability for the safe operation and construction of the Project.
- The Installer shall accept full responsibility and liability of all sub-contractors hired by **M/S Establishment Al Mabna Al Hadidi For Contracting [Iron Building Steel Construction]**
- Any dispute that may arise in relation to the project located within the Authority/Employer/Engineer jurisdiction, the Installer acknowledges full responsibility of its construction/installation and undertakes that any or whatever amounts or any issues being subject of any proceedings shall be binding among the Installer without compromising, implicating and incriminating the Authority/Employer/Engineer.
- This document together with the laws, rules and regulations of the Authority/Employer/Engineer governs the construction operation of the Installer on the Project. The Authority in the exercise of its administrative power shall enforce all the remedies available including eviction of the Installer or revocation of the Installer's permit in the event of any infringement of the terms of this document, drawings, specifications and any laws, rules and regulations of the Authority/Employer/Engineer.

Date: 01 Jun 2022

Trade License Name & No.: ROOF METAL IND LLC (600427)

Address: PO BOX 43908 SHARJAH, UAE

Undertaking By:

Mr. SAMIR MILAN

Managing Director



ص.ب. ٤٣٩٠٨ - الشارقة - [رقم هاتف: ٠٦ ٥٤٥ ٩١٠٦] - [إيميل: rmi@eim.ae] - [ويب: www.roofmetalindustries.com]
P.O. Box 43908, Sharjah - U.A.E. Tel: 8007663 (8007663), 06 545 9106, Email: rmi@eim.ae, Web: www.roofmetalindustries.com



CERTIFICATE

Approved Installer for RMI Security Rated Panels

TO WHOMSOEVER IT MAY CONCERN

Dear Sir,

We here by undertake, acknowledge and confirm that **M/S Establishment Al Mabna Al Hadidi For Contracting [Iron Building Steel Construction]** is our approved Installer for **RMI Security Rated Panels** and shall abide by the following conditions,

- The Installer shall comply with all the laws, rules and regulations and any other related regulations of the Authority/Employer/Engineer as may be implemented from time to time.
- The Installer shall accept full responsibility and liability for the safe operation and construction of the Project.
- The Installer shall accept full responsibility and liability of all sub-contractors hired by **M/S Establishment Al Mabna Al Hadidi For Contracting [Iron Building Steel Construction]**
- Any dispute that may arise in relation to the project located within the Authority/Employer/Engineer jurisdiction, the Installer acknowledges full responsibility of its construction/installation and undertakes that any or whatever amounts or any issues being subject of any proceedings shall be binding among the Installer without compromising, implicating and incriminating the Authority/Employer/Engineer.
- This document together with the laws, rules and regulations of the Authority/Employer/Engineer governs the construction operation of the Installer on the Project. The Authority in the exercise of its administrative power shall enforce all the remedies available including eviction of the Installer or revocation of the Installer's permit in the event of any infringement of the terms of this document, drawings, specifications and any laws, rules and regulations of the Authority/Employer/Engineer.

Date: 01 Jun 2022

Trade License Name & No.: ROOF METAL IND LLC (600427)

Address: PO BOX 43908 SHARJAH, UAE

Undertaking By:

Mr. SAMIR MILAN

Managing Director



ص.ب. ٤٣٩٠٨ - الشارقة - [رقم هاتف: ٠٦ ٥٤٥ ٩١٠٦] - [إيميل: rmi@eim.ae] - [ويب: www.roofmetalindustries.com]
P.O. Box 43908, Sharjah - U.A.E. Tel: 8007663 (8007663), 06 545 9106, Email: rmi@eim.ae, Web: www.roofmetalindustries.com



Appendix to Certificate No: 1775a
Roof Metal Industries LLC**Issue: 01****Secure Partition Walling System**

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
RM-CoreSecure	Walls with vertically laid panels	1.0	12	1.0	Unlimited	C5 (SR3)	1775a/01

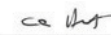
System Components for the RM-CoreSecure Walling System

Component Type	Minimum Width (m)	Maximum Width (m)	Minimum Length (m)	Maximum Length (m)	Panel Thickness (m)
Wall panels	0.1	1.0	1.0	12.0	0.075 to 0.2
3 mm thick galvanised steel sheet	0.1	1.0	1.0	12.0	0.003

Notes:

1. The RM-CoreSecure walling system must be installed in accordance with the 'Security Rated Sandwich Panel Assembly Installation Manual' dated 01 Dec 2023, Issue 00. The walling systems' resistance relies on the supporting substrate offering compatible resistance to manual attack. The structural integrity of the walling system is outside the scope of LPS 1175: Issue 8.
2. The walling system can be constructed as a straight wall or incorporate 90° or 270° angles in the wall line. This angle is measured between the attack faces of the two adjacent panels. The scope of the certification does not cover penetrations through the walling system. Incorporation of penetrations for features such as louvre vents and doorsets may affect the level of security afforded by the walling system.

This certificate and appendix is maintained and held in force through regular surveillance activities


Signed for BRE Global Ltd.Chris Hunt
Verifier20 December 2023
Date of Issue20 December 2023
Date of First Issue

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To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.
BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com
LPCB is a Registered Trademark of the Building Research Establishment Ltd.

**Certificate of Product Approval**

Certificate Number: 1775a

Issue: 01

Roof Metal Industries LLC

Al Sajaa Industrial Area – Sharjha
PO Box 43908
Sharjah
United Arab Emirates

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Products

RM-CoreSecure
secure partition walling system

Standards

LPS 1175: Issue 8
Requirements and testing procedures for the LPCB certification and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers

This certificate and appendix is maintained and held in force through regular surveillance activities


Signed for BRE Global Ltd.Chris Hunt
Verifier20 December 2023
Date of Issue20 December 2023
Date of First Issue

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BRE Global Ltd, Watford, WD25 9XX
T: +44 (0)333 321 8811 E: enquiries@breglobal.com
LPCB is a Registered Trademark of the Building Research Establishment Ltd.





Engineering Consulting and Support for Sandwich Panels

Our company specializes in comprehensive engineering consulting for sandwich panel applications. From design to implementation, we provide expert guidance on material selection, performance optimization, and structural integrity. In addition to treatment and support services, we offer dedicated support for already installed sandwich panels on roofs and walls, ensuring long-lasting durability and compliance with safety standards.

