

TRITHERM COMPOSITE STANDARD ROOF/WALL PANEL

STEEL PROFILE	
2012	Sheet
CI/SfB 27, Nh2	57.s.07

PROFILE DESCRIPTION



PROPERTIES

NOMINAL INSULATION THICKNESS mm	OVERALL PANEL THICKNESS mm	Weight kg/m ²	U-value W/m ² .K	NOMINAL INSULATION THICKNESS mm	OVERALL PANEL THICKNESS mm	Weight kg/m ²	U-value W/m ² .K
40	75	9.9	0.46	100	135	12.3	0.20
50	85	10.3	0.38	115	150	12.8	0.18
60	95	10.7	0.35	120	155	13.1	0.16
70	105	11.0	0.30	137	172	13.7	0.15
80	115	11.5	0.25	150	185	14.2	0.14



SPAN TABLES

(Deflection limited to Span/200)

(Deflection limited to Span/150)

ROOF		Maximum Total Load (kN/m ²)								ROOF		Maximum Total Load (kN/m ²)							
CORE THICKNESS mm		1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	CORE THICKNESS mm		1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
SINGLE SPAN ▲▲	40	3.25	2.28	1.80	1.31	1.04	-	-	-	DOUBLE SPAN ▲▲▲	40	2.96	2.33	1.99	1.65	1.44	1.23	1.10	0.96
	50	3.85	2.77	2.22	1.67	1.35	1.03	0.84	-		50	3.16	2.50	2.15	1.79	1.57	1.35	1.20	1.05
	60	4.41	3.25	2.64	2.03	1.67	1.30	1.07	0.84		60	3.34	2.66	2.29	1.91	1.68	1.45	1.30	1.14
	70	4.92	3.68	3.02	2.35	1.95	1.54	1.28	1.01		70	3.49	2.79	2.40	2.01	1.77	1.53	1.36	1.20
	80	5.24	4.12	3.40	2.68	2.24	1.80	1.51	1.22		80	3.65	2.92	2.52	2.12	1.87	1.61	1.44	1.27
	100	6.32	4.90	4.10	3.30	2.80	2.29	1.95	1.61		100	3.92	3.16	2.73	2.30	2.03	1.76	1.58	1.39
	115	6.32	4.90	4.10	3.30	2.80	2.29	1.95	1.61		115	3.92	3.16	2.73	2.30	2.03	1.76	1.58	1.39
	120	7.05	5.74	4.74	3.96	3.34	2.83	2.40	2.05		120	4.35	3.64	3.09	2.67	2.33	2.05	1.82	1.63
	137	10.27	8.47	7.08	5.98	5.09	4.36	3.75	3.24		137	5.00	4.20	3.59	3.11	2.72	2.41	2.15	1.93
150	10.27	8.47	7.08	5.98	5.09	4.36	3.75	3.24	150	5.00	4.20	3.59	3.11	2.72	2.41	2.15	1.93		

SPECIFICATION	Maximum length: 12.000 m — Minimum length: 1.200 m (lengths less than 1.800m at extra cost)	
1) Outer sheet	substrate : sheet thickness : finish :	Steel - 275g/m ² zinc 0.50mm Plastisol 200 mu (HPS or Leather grain)
2) Insulation	LPC rigid polyisocyanurate foam (PIR) density: lambda-value: fire rating: (not to 40mm core)	38 - 42 kg/m ³ - HCFC free 0.025W/m.K LPS 1181 Part 1 : 2003
3) Inner sheet	substrate : sheet thickness: profile type: finish:	Steel - 275g/m ² zinc 0.40mm Eurobox interior coating 15mu Bright white

Loads are for a minimum support width of 50mm*, and can be from vertical downward loading or wind uplift. Higher values may be acceptable under certain conditions. Walkability must be taken into account when considering maximum span tables. The normal length of sheet for transport purposes is 10m. Longer lengths can be supplied, subject to negotiations. Please note that all dimensions and thicknesses are nominal as coated and/or as finished, and are subject to coil and manufacturing tolerances. Please consult our experienced staff for all technical enquires. Whilst every endeavour is made to keep literature up to date, specifications may change without prior notice due to a policy of continued research and development. Architectural Profiles Limited cannot be held responsible for the mis-use of span tables and its contents. E&OE

