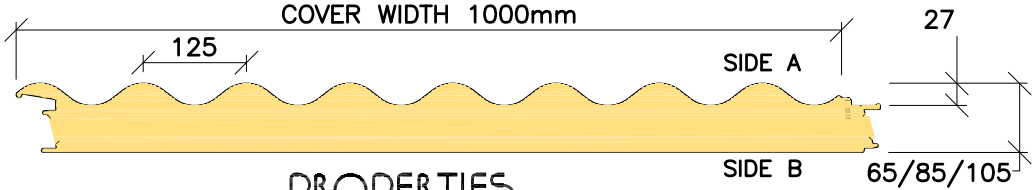
TRITHERM COMPOSITE
HALF-ROUND WALL PANEL

STEEL PROFILE	
2006	Sheet
CI/SfB 27 Nh2	62.s.02

PROFILE DESCRIPTION



PROPERTIES

NOMINAL INSULATION THICKNESS mm	Weight kg/m²	U–value W/m².K
65	15	0.55
85	16	0.39
105	17	0.29

SPAN TABLES

(Deflection limited to Span/150)

WALL		Maximum Total Load (kN/m²)															
CORE THICKNESS mm		1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6
SINGLE SPAN ▲ ▲	65	1.23	1.12	1.00	0.91	0.84	0.76	0.72	0.67	0.63	0.59	0.46	0.34				
	85	1.46	1.34	1.20	1.10	1.00	0.91	0.86	0.80	0.75	0.71	0.66	0.63	0.60	0.58	0.55	0.50
	105	1.71	1.56	1.40	1.28	1.17	1.06	1.00	0.94	0.88	0.82	0.77	0.74	0.70	0.67	0.64	0.60
DOUBLE SPAN ▲ ▲ ▲	65	1.23	1.12	1.00	0.91	0.84	0.76	0.72	0.67	0.63	0.59	0.55	0.52	0.50	0.48	0.46	
	85	1.46	1.34	1.20	1.10	1.00	0.91	0.86	0.80	0.75	0.71	0.66	0.63	0.60	0.58	0.55	0.52
	105	1.71	1.56	1.40	1.28	1.17	1.06	1.00	0.94	0.88	0.82	0.77	0.74	0.70	0.67	0.64	0.60

SPECIFICATION	Maximum length: 14.500 m	Minimum length: 1.000 m
1) Outer sheet	substrate : sheet thickness and finish :	Steel – 275g/m² zinc 0.50mm plastisol 200 mu (HPS or PSL leather grain) 0.70mm PVF2 or PUF
2) Insulation	LPC rigid polyisocyanusate foam (PIR) density: lamda–value: fire rating:	HCFC Free – LPC approved min. 38 kg/m³ 0.025W/m.K LPS 1181 Grade external B
3) Inner sheet	substrate : sheet thickness: profile type: finish:	Steel – 275g/m² zinc 0.40mm Fineline Off White lining enamel

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

Architectural Profiles Ltd.
Cockayne House, 126–128 Crockhamwell Road, Woodley, Reading,
Berks. RG5 3JH. Telephone: 0118 927 2424 Fax: 0118 927 2400