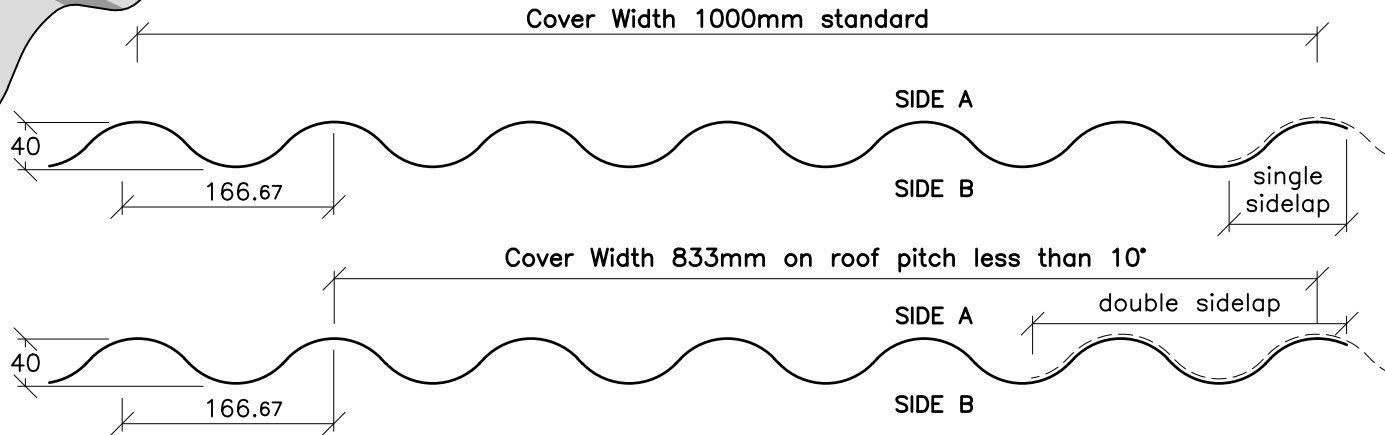


AP45HR-R

ROOFING

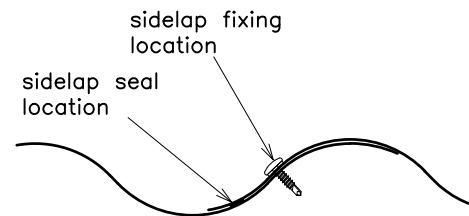
PROFILE DESCRIPTION

STEEL PROFILE	
2017	Sheet
CI/SfB 27, Nh2	8.s.9



SECTION PROPERTIES

NOMINAL THICKNESS	mm	0.70
LOWER YIELD POINT	N/mm ²	250
MOMENT OF INERTIA	cm ⁴ /m	14.07
WEIGHT INCL. SIDE LAP	kg/m ²	7
MAXIMUM SHEET LENGTH	m	10



SPAN TABLES

(Deflection limited as shown)

Thickness (mm)	Span (m)	Maximum Total Load (kN/m ²)						
		1.2	1.4	1.6	1.8	2.0	2.2	2.4
0.70 IMPOSED	▼ (L/200)	5.50	3.97	2.63	1.83	1.31	0.97	0.73
0.70 SUCTION	▲ (L/90)	6.41	4.72	3.63	2.88	2.34	1.94	1.64

Thickness (mm)	Span (m)	Maximum Total Load (kN/m ²)									
		1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
0.70 IMPOSED	▼ (L/200)	2.85	2.27	1.86	1.55	1.31	1.12	0.97	0.84	0.74	0.65
0.70 SUCTION	▲ (L/90)	6.41	4.72	3.63	2.88	2.34	1.94	1.64	1.41	1.22	1.07

Thickness (mm)	Span (m)	Maximum Total Load (kN/m ²)									
		1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
0.70 IMPOSED	▼ (L/200)	3.38	2.71	2.22	1.85	1.57	1.35	1.17	1.03	0.90	0.80
0.70 SUCTION	▲ (L/90)	8.00	5.89	4.52	3.58	2.91	2.42	2.04	1.74	1.51	1.32

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 enquiries.

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.

* 40mm support width is structurally acceptable, but this may "show through" in the pan of the sheet E&OE

Architectural Profiles Ltd.

53 Crockhamwell Road, Woodley, Reading,

Berks. RG5 3JP. Telephone: 0118 927 2424 Fax: 0118 927 2400

