

Insulated Panels
Standing Seam Systems

Protected by



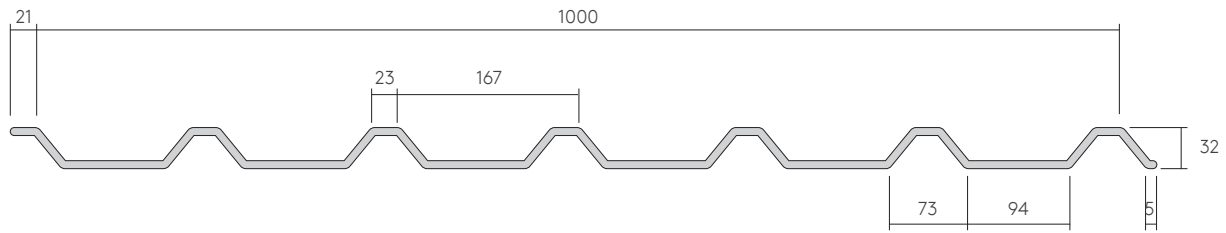
32/1000 Profiled Liner Product Data Sheet



Profiled Liner – 32/1000

Technical Data

The 32/1000 liner profile is typically used for industrial applications as part of a single or twin skin roof or wall cladding solution. The profile can be laid vertically, horizontally or diagonally.



Product Specification

Materials:	Steel: S220GD with either a Z275 galvanised (ASTM A653) or AZ150 AluZinc (ASTM A792) coating. Aluminium: AA3105 alloy to ASTM B209
Coatings:	Corus Colorcoat HPS200 Ultra, Colorcoat Prisma, Colorcoat LG, PVDF (aluminium), Colorcoat Highreflect, Colorcoat PE15
Lengths:	1.5 m to 12 m
Thickness:	See table
Fire Performance:	Kingspan sheets in either steel and aluminium carries a spread of flame and smoke index rating of zero
Product Tolerances:	Length: +/-7 mm (0 – 3,500 mm) /0.5 mm for each metre Width: +/-2 mm Edge squareness: +/-3 mm
Curving:	N/A
Perforation:	N/A

Dimensions and Weight

Substrate Thickness (mm)	0.70	0.90
Weight (kg/m ²)	– Steel	6.75
	– Aluminium	2.36
		8.68
		3.039

Load Span – Profiled Liner 32/1000

Steel

Profile Thickness (mm)	Span (m)	Imposed Load (kN/m ²) – L/200			Wind Suction Load (kN/m ²) – L/200		
		Single	Double	Multiple	Single	Double	Multiple
0.70	1.00	6.49	3.72	4.44	5.76	3.95	4.70
	1.10	5.36	3.22	3.84	4.76	3.42	4.08
	1.20	4.50	2.81	3.37	4.00	3.00	3.58
	1.30	3.84	2.48	2.97	3.41	2.65	3.17
	1.40	3.31	2.20	2.65	2.96	2.36	2.83
	1.50	2.87	1.97	2.37	2.32	2.12	2.54
	1.60	2.37	1.78	2.14	1.91	1.91	2.30
	1.70	1.97	1.61	1.94	1.59	1.73	2.09
	1.80	1.66	1.46	1.77	1.34	1.58	1.90
	1.90	1.41	1.34	1.62	1.14	1.44	1.74
	2.00	1.21	1.23	1.49	0.98	1.33	1.60
	2.10	1.05	1.13	1.37	0.85	1.22	1.41
	2.20	0.91	1.04	1.27	0.74	1.13	1.23
	2.30	0.80	0.97	1.18	0.64	1.05	1.07
	2.40	0.70	0.90	1.09	0.57	0.94	0.94
	2.50	0.62	0.84	1.02	0.50	0.84	0.84
2.60	0.55	0.78	0.92	0.45	0.74	0.74	
0.90	1.00	8.45	5.50	6.59	7.74	5.77	6.90
	1.10	6.99	4.73	5.68	6.40	4.98	5.96
	1.20	5.87	4.11	4.95	5.38	4.34	5.21
	1.30	5.00	3.61	4.36	4.58	3.81	4.59
	1.40	4.31	3.20	3.86	3.91	3.38	4.08
	1.50	3.74	2.85	3.45	3.18	3.02	3.65
	1.60	3.08	2.56	3.10	2.62	2.72	3.28
	1.70	2.57	2.31	2.81	2.18	2.46	2.97
	1.80	2.17	2.10	2.55	1.84	2.23	2.70
	1.90	1.84	1.91	2.33	1.56	2.04	2.47
	2.00	1.58	1.75	2.13	1.34	1.87	2.23
	2.10	1.36	1.61	1.96	1.16	1.72	1.93
	2.20	1.19	1.49	1.81	1.01	1.58	1.68
	2.30	1.04	1.37	1.68	0.88	1.47	1.47
	2.40	0.91	1.28	1.52	0.78	1.29	1.29
	2.50	0.81	1.19	1.35	0.69	1.14	1.14
2.60	0.72	1.11	1.20	0.61	1.02	1.02	

Working load UDL (kN/m²).

Load factor (working load to ultimate) = 1.5

Tables calculated by: Gravity – the SCI to EN 1993-1-3 (Eurocode E3);

Uplift – the SCI to EN 1999 -1-4 (Eurocode EC9).

Profiled Liner – 32/1000

Technical Data

Load Span – Profiled Liner 32/1000

Aluminium

Profile Thickness (mm)	Span (m)	Imposed Load (kN/m ²) – L/200			Wind Suction Load (kN/m ²) – L/200		
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	1.50	2.87	1.97	2.37	2.32	2.12	2.54
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Working load UDL (kN/m²).

Load factor (working load to ultimate) = 1.5

Tables calculated by: Gravity – the SCI to EN 1993-1-3 (Eurocode E3);

Uplift – the SCI to EN 1999 -1-4 (Eurocode EC9).

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