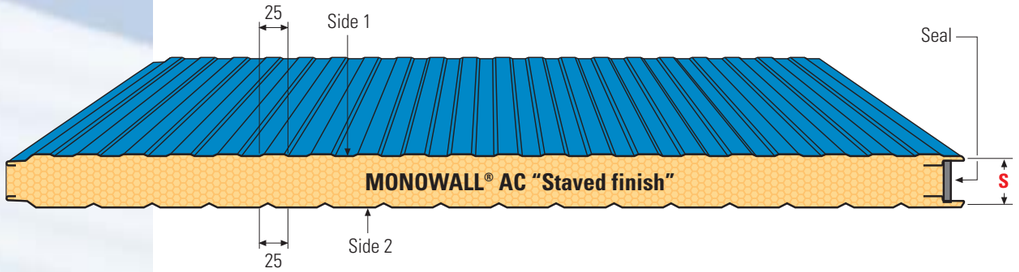
Monowall®

PRODUCED IN: ITALY GERMANY SPAIN

Self-supporting metal panels insulated with PUR for use in industrial and commercial buildings, refrigerated rooms with positive temperature, and partitions in general.
For additional technical information, refer to the MONOWALL® technical manual.

Major product technical approval:
Zulassung Dibt Z - 10.4 - 241.
Avis Tecnique CSTB AT-2/05-152

IMPORTANT: In the assembly stage, attention to the correct positioning of the painted side: the side marked with "INTERNAL" must face the internalside.



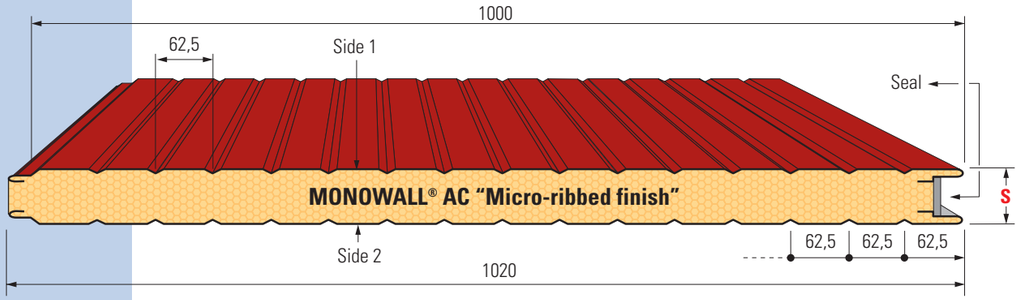


Table of safe spans

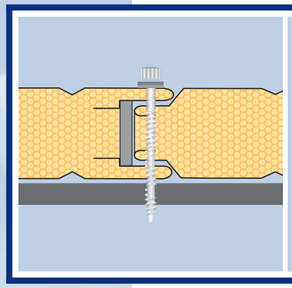
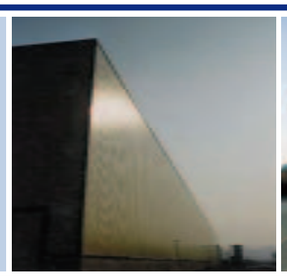
Values guaranteed with steel sheets as thick as indicated. Spans *l* in metres, as a function of a uniformly distributed load **p** (daN/m²), have been obtained from experimental data and calculated to provide a deflection limit: f ≤ *l*/200 of the span and a minimum safety coefficient that complies with the UEAtc standards for insulated panels, which have been established and are implemented by primary European Certifying Organizations.

steel - steel (thickness 0,4 + 0,4)

S mm	K Kcal m²h °C	K Watt m² °C	Panel weight kg/m² 0,4 + 0,4	Panel weight kg/m² 0,6 + 0,6	p = (daN/m²)	60	80	100	120	150	60	80	100	120	150
25	0,66	0,77	7,70	11,08	*l* =	2,05	1,90	1,75	1,65	1,55	1,75	1,60	1,50	1,40	1,30
30	0,56	0,65	7,89	11,23	*l* =	2,60	2,45	2,30	2,05	1,85	2,25	2,10	1,90	1,80	1,65
35	0,48	0,56	8,08	1,46	*l* =	3,20	3,00	2,80	2,50	2,20	2,80	2,60	2,40	2,20	2,00
40	0,43	0,50	8,27	11,65	*l* =	3,40	3,20	3,00	2,80	2,50	3,10	2,90	2,70	2,50	2,20
50	0,35	0,41	8,65	12,03	*l* =	3,90	3,65	3,40	3,10	2,75	3,45	3,20	2,95	2,75	2,40
60	0,29	0,34	9,03	12,41	*l* =	4,40	4,10	3,75	3,45	3,00	3,80	3,55	3,30	3,00	2,60
80	0,22	0,26	9,79	13,17	*l* =	5,20	4,65	4,25	3,90	3,35	4,50	4,00	3,70	3,35	2,90
100	0,18	0,21	10,59	13,99	*l* =	5,80	5,15	4,75	4,30	3,70	4,90	4,45	4,10	3,75	3,20
120	0,15	0,18	11,35	14,75	*l* =	6,40	5,70	5,25	4,75	4,05	5,50	4,90	4,50	4,10	3,50

aluminium - aluminium (thickness 0,6 + 0,6)

S mm	K Kcal m²h °C	K Watt m² °C	Panel weight kg/m² 0,6 + 0,6	p = (daN/m²)	60	80	100	120	150	60	80	100	120	150
40	0,43	0,50	4,99	*l* =	2,75	2,39	2,11	1,90	1,66	2,34	2,06	1,84	1,67	1,49
50	0,35	0,41	5,37	*l* =	3,26	2,84	2,52	2,27	1,99	2,76	2,44	2,19	1,99	1,77
60	0,29	0,34	5,75	*l* =	3,74	3,26	2,90	2,62	2,32	3,16	2,79	2,51	2,29	2,04
80	0,22	0,26	6,51	*l* =	4,34	3,78	3,36	3,04	2,69	3,79	3,35	3,01	2,75	2,45
100	0,18	0,21	7,27	*l* =	4,86	4,24	3,77	3,41	3,02	4,30	3,79	3,41	3,11	2,77
120	0,15	0,18	8,03	*l* =	5,31	4,63	4,12	3,72	3,29	4,74	4,19	3,77	3,44	3,06



LOSS PREVENTION CERTIFICATION BOARD
LPCB
Ref. No. 670a
to LPS 1181