

TECHNICAL DATA

COOL STORE WALL PANELS

Allowable Uniform Loads (KN/M2): Base metal: Steel Nominal Thickness 0.5 + 0.5mm

CORE THICKNESS (MM)	SPAN	SPAN (m)																	
		2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
100	S*	3.46	3.01	2.62	2.20	1.85	1.57	1.34	1.15	0.99	0.85	0.74	0.64	0.56	0.49	0.43	0.37	0.33	0.29
100	D**	4.18	3.63	3.16	2.76	2.44	2.16	1.93	1.73	1.56	1.37	1.21	1.06	0.93	0.82	0.72	0.64	0.56	0.49
120	S*	4.95	4.30	3.74	3.09	2.59	2.21	1.90	1.66	1.46	1.30	1.15	1.03	0.94	0.85	0.77	0.70	0.65	0.57
120	D**	5.87	5.11	4.44	3.99	3.62	2.95	2.35	1.91	1.85	1.13	1.13	0.99	0.88	0.77	0.68	0.60	0.52	0.46
150	S*	5.57	4.84	4.21	3.48	2.92	2.49	2.14	1.87	1.64	1.30	1.30	1.17	1.06	0.95	0.87	0.79	0.73	0.67
150	D**	6.33	5.51	4.79	4.30	3.91	3.55	2.82	2.28	1.88	1.33	1.33	1.14	1.00	0.88	0.78	0.68	0.60	0.53

Allowable Uniform Loads (KN/M2): Base metal: Steel Nominal Thickness 0.6 + 0.6mm

CORE THICKNESS (MM)	SPAN	SPAN (m)																	
		2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
100	S*	3.54	3.08	2.62	2.26	1.91	1.63	1.39	1.20	1.03	0.89	0.77	0.67	0.59	0.51	0.45	0.40	0.35	0.31
100	D**	4.22	3.67	3.19	2.80	2.47	2.20	1.96	1.76	1.59	1.44	1.31	1.19	1.08	0.95	0.84	0.74	0.65	0.57
120	S*	5.34	4.65	4.04	3.46	2.98	2.58	2.24	1.96	1.71	1.51	1.33	1.17	1.04	0.92	0.82	0.73	0.65	0.57
120	D**	6.00	5.22	4.54	4.00	3.56	3.18	2.86	2.59	2.35	2.14	1.96	1.79	1.65	1.51	1.40	1.23	1.08	0.95
150	S*	6.27	5.45	4.74	4.08	3.53	3.08	2.69	2.36	2.08	1.84	1.63	1.45	1.29	1.15	1.03	0.92	0.83	0.75
150	D**	6.92	6.01	5.23	4.62	4.11	3.69	3.32	3.01	2.74	2.50	2.29	2.11	1.94	1.79	1.65	1.53	1.42	1.25

Allowable Uniform Loads (KN/M2): Base metal: Steel Nominal Thickness 0.7 + 0.46mm

CORE THICKNESS (MM)	SPAN	SPAN (m)																	
		2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
150	S*	6.27	5.45	4.74	4.08	3.53	3.08	2.69	2.36	2.08	1.84	1.63	1.45	1.29	1.15	1.03	0.92	0.83	0.75
150	D**	6.92	6.01	5.23	4.62	4.11	3.69	3.32	3.01	2.74	2.50	2.29	2.11	1.94	1.79	1.65	1.53	1.42	1.25

Allowable Uniform Loads (KN/M2): Base metal: Steel Nominal Thickness 0.7 + 0.7 mm

CORE THICKNESS (MM)	SPAN	SPAN (m)																	
		2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	6.30	6.60	6.90	7.20	7.50
100	S*	3.63	3.15	2.74	2.32	1.69	1.69	1.44	1.25	1.07	0.93	0.80	0.70	0.62	0.53	0.47	0.43	0.38	0.33
100	D**	4.26	3.70	3.22	2.84	2.24	2.24	1.99	1.79	1.62	1.51	1.42	1.33	1.25	1.10	0.97	0.85	0.75	0.66
120	S*	3.63	3.15	2.74	2.32	1.69	1.69	1.44	1.25	1.07	0.93	0.80	0.70	0.62	0.53	0.47	0.43	0.38	0.33
120	D**	6.14	5.35	4.64	4.01	3.43	3.43	3.48	3.41	3.32	3.21	3.10	2.88	2.73	2.54	2.44	2.10	1.81	1.56
150	S*	7.06	6.15	5.34	4.78	3.81	3.81	3.38	2.98	2.64	2.32	2.04	1.80	1.57	1.39	1.22	1.07	0.94	0.84
150	D**	7.55	6.57	5.71	4.96	3.84	3.84	3.91	3.85	3.80	3.71	3.60	3.49	3.29	3.12	2.95	2.83	2.71	2.34

NOTES

- S* = Single span
- D** = Double span
- Design Of Sheeting Is Based On Aisi 2007 (Asd-Allowable Stress Design)
- Deflection limits - Span/200, panels are under uniform load
- Nominal Thickness refers to Base Metal Thickness
- Assume bond with Insulation ensures that lateral sliding of sheet does not occur, and insulation don't have significant compression