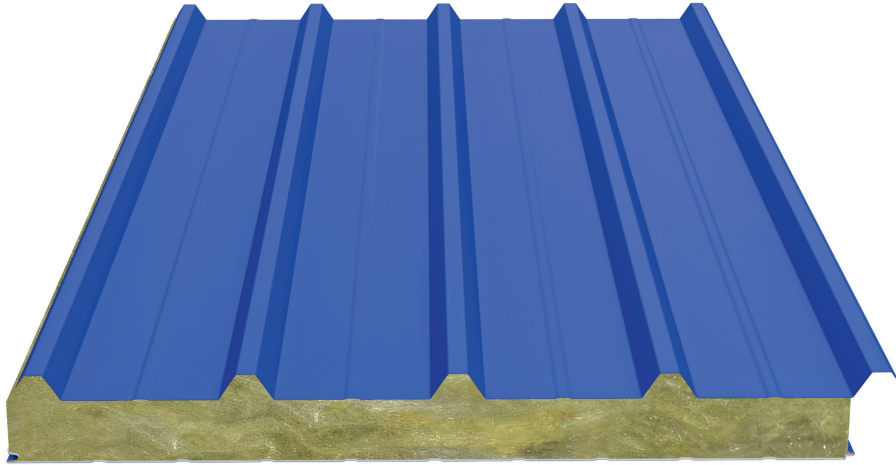


N5T-UK Roof and Wall Panel



Product Information

It can be used safely in buildings where fire risk is high and in buildings where maximum fire reaction class is required. With its five-ribbed form, it enables wide openings to be crossed safely. Roof covering with minimum 7% slope. The product, which can be made, provides advantages in fast assembly thanks to its lateral overlapping panel combination. Mineral wool inner filling It offers high acoustic performance thanks to its material.

Production Plant

UK

Product Application

- Industrial Buildings
- Military Buildings
- Public Buildings
- Agricultural Buildings
- Sports Facilities
- Construction Site Buildings
- Silos
- Hypermarkets
- Shopping Centers
- Storehouse Halls
- Administrative Buildings

and all other concrete structures with steel or prefabricated load bearing systems.

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Performance Advantages

It has the good fire resistance values.

It has a joint detail with angle

Fast and trouble-free installation saves both time and labor.

It has high performance in sound insulation as well as heat insulation.

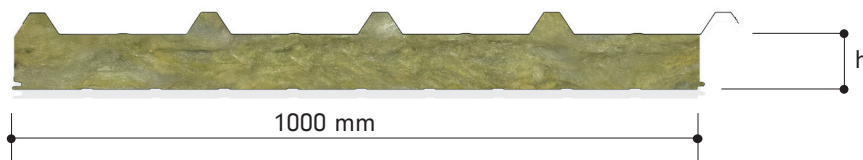
Thanks to its colorful surface, there is no need for additional coatings such as plaster or paint.

There are surface paint (Polyester, PvdF, Plastisol, PVC) options suitable for the place of use.

Color selection can be made from the RAL catalogue.

It does not deteriorate, rot or mold over time.

Measurements



h: 50-60-80-100-120-140-160-180-200 mm

Modular Width	1,000 mm
Minimum Length	2 meters
Maximum Length	Depends on transport conditions.

SmartCore – PIR Properties

Density (EN 1602)	PIR: 40 (± 2) kg/m ³ & SmartCore-PIR Elite: 41 (± 2) kg/m ³
Thickness	50-60-80-100-120-140-160-180-200 mm
Thermal Conductivity (EN 13165)	PIR Elite-PIR: 0.022-0.024 & SmartCore: 0.018-0.019 W/mK
Reaction to Fire (13501)	PIR Elite: B-s1,d0 & PIR: B-s2,d0

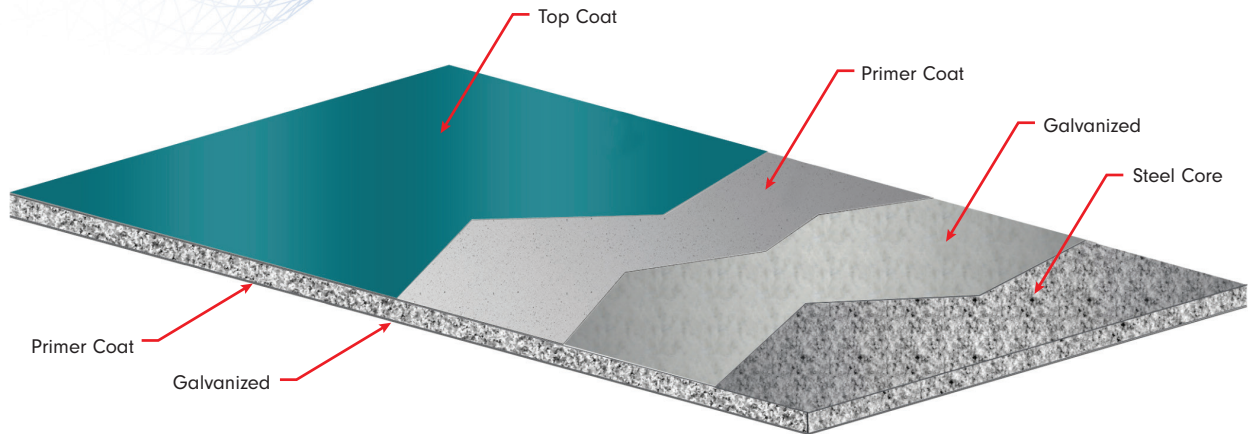
Thermal Conductivity Table

Panel Thickness	U Thermal Conductivity (W/m ² K)	R Thermal Conductivity (m ² K/W)	R Thermal Conductivity (ft ² °F h/Btu)
50 mm	0,33	3,03	17,20
60 mm	0,28	3,58	20,35
80 mm	0,21	4,70	26,66
100 mm	0,17	5,81	32,97
120 mm	0,14	6,92	39,28
140 mm	0,12	8,03	45,59
160 mm	0,11	9,14	51,90
180 mm	0,10	10,25	58,21
200 mm	0,09	11,36	64,51

The relevant values were calculated based on a value of 0.018 W/m²K.

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Metal Surfaces



Prepainted Galvanized Steel Surface

Metal Type	Prepainted Galvanized Steel
External Facing Thickness	0.50-0.80 mm
Internal Facing Thickness	0.40-0.80 mm
Thickness Tolerance (EN 10143)	Nominal
Steel Quality (EN 10327)	Grade (S220GD+Z, S250GD+Z, S280GD+Z, S320GD+Z, S350GD+Z)
Paint Type	Polyester, PvdF, Plastisol

Tolerance Values

Panel Length	Panel Thickness	Panel Cover Width	Rectangularity
If $L \leq 3,000$ mm ± 5 mm If $L > 3,000$ mm ± 10 mm	$D \leq 100$ mm ± 2 mm	± 2 mm for all profiles	$s \leq 0.6\%$ of the nominal cover thickness (w). / (Width x 0.006)

Standard Package

Thickness (mm)	50	60	80	100	120	140	160	180	200
Quantity	18	14	10	9	8	7	6	5	4

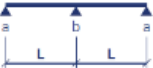
Joint Details



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NOVA 5 (MW) ROOF PANEL LOAD SPAN TABLE

	Core Thickness (mm)	Load Type kN/m²	Span length (L) (m)																
			1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	
			a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)
SINGLE SPAN 	50	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
		Pressure (kN/m²)	2.25	1.67	1.31	1.07	0.91	0.78	0.68	0.60	0.53	0.48	0.43	0.39	0.36	-	-	-	-
		Suction (kN/m²)	-3.10	-2.46	-2.04	-1.75	-1.53	-1.36	-1.22	-1.04	-0.90	-0.79	-0.69	-0.62	-0.56	-	-	-	-
	60	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	2.48	1.85	1.47	1.20	1.01	0.88	0.77	0.68	0.61	0.55	0.49	0.45	0.41	0.38	0.35	-	-
		Suction (kN/m²)	-3.64	-2.89	-2.40	-2.06	-1.81	-1.61	-1.41	-1.19	-1.03	-0.90	-0.80	-0.71	-0.64	-0.58	-0.53	-	-
	80	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	2.93	2.22	1.77	1.47	1.24	1.07	0.95	0.85	0.76	0.68	0.62	0.57	0.52	0.48	0.44	0.41	-
		Suction (kN/m²)	-4.66	-3.73	-3.11	-2.68	-2.35	-2.10	-1.78	-1.51	-1.30	-1.13	-1.13	-0.90	-0.80	-0.73	-0.66	-0.61	-
	100	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	3.39	2.59	2.08	1.73	1.48	1.28	1.13	1.13	0.91	0.82	0.75	0.69	0.63	0.58	0.54	0.50	-
		Suction (kN/m²)	-5.66	-4.55	-3.81	-3.28	-2.88	-2.58	-2.15	-1.82	-1.57	-1.37	-1.20	-1.07	-0.97	-0.88	-0.80	-0.73	-
	120	a (mm)	43	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	3.84	2.96	2.39	2.00	1.71	1.49	1.31	1.17	1.05	0.96	0.88	0.81	0.74	0.69	0.64	0.59	-
		Suction (kN/m²)	-6.63	-5.35	-4.49	-3.87	-3.41	-3.04	-2.53	-2.14	-1.84	-1.60	-1.41	-1.25	-1.13	-1.02	-0.93	-0.86	-
	150	a (mm)	51	48	47	45	44	44	43	43	42	42	42	42	42	42	41	41	-
		Pressure (kN/m²)	4.53	3.52	2.86	2.40	2.06	1.80	1.59	1.42	1.28	1.16	1.06	0.99	0.91	0.84	0.78	0.73	-
		Suction (kN/m²)	-8.08	-6.54	-5.50	-4.76	-4.19	-3.71	-3.09	-2.61	-2.25	-1.95	-1.72	-1.53	-1.37	-1.24	-1.13	-1.03	-
170	a (mm)	57	53	51	50	49	48	48	48	47	47	47	46	46	47	46	46	-	
	Pressure (kN/m²)	4.98	3.89	3.17	2.67	2.29	2.00	1.77	1.59	1.43	1.30	1.19	1.09	1.01	0.95	0.88	0.82	-	
	Suction (kN/m²)	-9.03	-7.33	-6.17	-5.34	-4.71	-4.16	-3.46	-2.93	-2.52	-2.19	-1.93	-1.71	-1.54	-1.39	-1.26	-1.16	-	

	Core Thickness (mm)	Load Type kN/m ²	Span length (m)																
			1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	
			a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)
DOUBLE SPAN 	50	Pressure (kN/m ²)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
		Suction (kN/m ²)	2.25	1.67	1.31	1.07	0.91	0.78	0.68	0.60	0.53	0.48	-	-	-	-	-	-	-
		Suction (kN/m ²)	-3.10	-2.46	-2.04	-1.75	-1.53	-1.36	-1.22	-1.04	-0.90	-0.79	-	-	-	-	-	-	-
	60	b (mm)	82	73	67	63	61	60	60	60	60	60	60	60	60	60	60	60	60
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m ²)	2.48	1.85	1.47	1.20	1.01	0.88	0.77	0.68	0.61	0.55	0.49	-	-	-	-	-	-
	80	Suction (kN/m ²)	-3.64	-2.89	-2.40	-2.06	-1.81	-1.61	-1.41	-1.19	-1.03	-0.90	-0.80	-	-	-	-	-	-
		b (mm)	89	80	74	70	68	66	65	63	62	61	60	60	60	60	60	60	60
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	100	Pressure (kN/m ²)	2.93	2.22	1.77	1.47	1.24	1.07	0.95	0.85	0.76	0.68	0.62	-	-	-	-	-	-
		Suction (kN/m ²)	-4.66	-3.73	-3.11	-2.68	-2.35	-2.10	-1.78	-1.51	-1.30	-1.13	-1.13	-	-	-	-	-	-
		b (mm)	104	94	88	85	82	80	78	77	76	74	74	73	60	60	60	60	60
	120	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m ²)	3.39	2.59	2.08	1.73	1.48	1.28	1.13	1.13	0.91	0.82	0.75	0.69	-	-	-	-	-
		Suction (kN/m ²)	-5.66	-4.55	-3.81	-3.28	-2.88	-2.58	-2.15	-1.82	-1.57	-1.37	-1.20	-1.20	-	-	-	-	-
	150	b (mm)	121	111	104	99	96	94	92	90	88	88	87	86	60	60	60	60	60
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m ²)	3.84	2.96	2.39	2.00	1.71	1.49	1.31	1.17	1.05	0.96	0.88	0.81	0.73	-	-	-	-
	170	Suction (kN/m ²)	-6.63	-5.35	-4.49	-3.87	-3.39	-2.94	-2.53	-2.14	-1.84	-1.60	-1.41	-1.25	-1.25	-	-	-	-
		b (mm)	140	130	123	118	115	112	110	108	107	106	106	105	102	60	60	60	60
		a (mm)	47	42	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
190	Pressure (kN/m ²)	4.52	3.52	2.86	2.40	2.06	1.80	1.59	1.42	1.28	1.13	1.13	0.92	0.82	0.74	-	-	-	
	Suction (kN/m ²)	-8.07	-6.54	-5.43	-4.53	-3.87	-3.36	-2.97	-2.61	-2.25	-1.95	-1.72	-1.53	-1.37	-1.37	-	-	-	
	b (mm)	169	159	151	146	143	140	137	136	134	129	124	123	119	115	60	60	60	
210	a (mm)	57	51	48	45	43	42	41	40	40	40	40	40	40	40	40	40	40	
	Pressure (kN/m ²)	4.98	3.89	3.17	2.67	2.29	2.00	1.77	1.56	1.37	1.21	1.07	0.98	0.88	0.79	-	-	-	
	Suction (kN/m ²)	-9.02	-7.19	-5.84	-4.88	-4.17	-3.63	-3.20	-2.86	-2.52	-2.19	-1.93	-1.71	-1.54	-1.39	-	-	-	
230	b (mm)	189	178	170	165	161	158	155	151	145	140	135	134	130	125	61	61	61	
	a (mm)	65	59	56	53	51	50	49	48	47	46	46	45	44	43	42	42	42	
	Pressure (kN/m ²)	5.48	4.30	3.50	2.92	2.56	2.28	2.05	1.84	1.64	1.47	1.31	1.17	1.07	0.96	0.86	0.77	0.68	
250	Suction (kN/m ²)	-10.24	-8.28	-6.78	-5.71	-4.92	-4.30	-3.80	-3.38	-3.04	-2.71	-2.40	-2.12	-1.87	-1.64	-1.43	-1.24	-1.06	
	b (mm)	209	196	187	181	176	172	168	164	160	156	152	148	144	140	136	132	128	
	a (mm)	73	67	64	61	59	58	57	56	55	54	53	52	51	50	49	48	47	
270	Pressure (kN/m ²)	5.94	4.67	3.79	3.14	2.79	2.50	2.26	2.05	1.85	1.67	1.51	1.36	1.24	1.13	1.03	0.93	0.84	
	Suction (kN/m ²)	-11.20	-9.15	-7.56	-6.40	-5.53	-4.84	-4.26	-3.78	-3.38	-3.04	-2.72	-2.42	-2.15	-1.90	-1.67	-1.46	-1.27	
	b (mm)	229	215	205	198	192	187	183	179	175	171	167	163	159	155	151	147	143	
290	a (mm)	81	75	72	69	67	66	65	64	63	62	61	60	59	58	57	56	55	
	Pressure (kN/m ²)	6.40	5.04	4.08	3.36	2.99	2.69	2.45	2.24	2.05	1.87	1.71	1.55	1.42	1.30	1.19	1.09	1.00	
	Suction (kN/m ²)	-12.64	-10.49	-8.79	-7.54	-6.58	-5.81	-5.16	-4.61	-4.14	-3.73	-3.37	-3.04	-2.74	-2.47	-2.22	-1.99	-1.77	
310	b (mm)	249	234	223	215	209	204	199	195	191	187	183	179	175	171	167	163	159	
	a (mm)	89	83	80	77	75	74	73	72	71	70	69	68	67	66	65	64	63	
	Pressure (kN/m ²)	6.86	5.41	4.37	3.60	3.22	2.91	2.66	2.44	2.24	2.06	1.89	1.73	1.59	1.46	1.34	1.23	1.14	
330	Suction (kN/m ²)	-13.44	-11.19	-9.39	-8.04	-7.00	-6.16	-5.46	-4.84	-4.31	-3.86	-3.47	-3.11	-2.78	-2.48	-2.21	-1.96	-1.73	
	b (mm)	269	253	241	232	225	219	214	209	204	199	194	190	186	182	178	174	170	
	a (mm)	97	91	88	85	83	82	81	80	79	78	77	76	75	74	73	72	71	
350	Pressure (kN/m ²)	7.32	5.77	4.65	3.83	3.44	3.12	2.86	2.63	2.42	2.23	2.05	1.88	1.73	1.59	1.46	1.34	1.24	
	Suction (kN/m ²)	-14.88	-12.53	-10.63	-9.18	-8.06	-7.16	-6.41	-5.74	-5.16	-4.65	-4.20	-3.80	-3.43	-3.09	-2.78	-2.49	-2.23	
	b (mm)	289	272	259	249	241	234	228	222	217	212	207	202	197	192	187	182	177	
370	a (mm)	105	99	96	93	91	90	89	88	87	86	85	84	83	82	81	80	79	
	Pressure (kN/m ²)	7.78	6.13	4.94	4.07	3.67	3.34	3.07	2.83	2.61	2.41	2.22	2.04	1.87	1.72	1.58	1.45	1.34	
	Suction (kN/m ²)	-15.84	-13.39	-11.39	-9.84	-8.64	-7.68	-6.88	-6.18	-5.56	-5.01	-4.52	-4.07	-3.66	-3.28	-2.93	-2.60	-2.30	
390	b (mm)	309	291	277	266	257	249	242	235	228	222	216	210	204	198	192	186	180	
	a (mm)	113	107	104	101	99	98	97	96	95	94	93	92	91	90	89	88	87	
	Pressure (kN/m ²)	8.24	6.49	5.23	4.32	3.91	3.57	3.29	3.04	2.81	2.60	2.40	2.21	2.03	1.86	1.71	1.57	1.45	
410	Suction (kN/m ²)	-16.80	-14.25	-12.15	-10.50	-9.30	-8.34	-7.50	-6.74	-6.06	-5.47	-4.94	-4.45	-4.00	-3.58	-3.19	-2.83	-2.50	
	b (mm)	329	310	295	283	273	264	256	248	240	232	224	216	208	200	192	184	176	
	a (mm)	121	115	112	109	107	106	105	104	103	102	101	100	99	98	97	96	95	
430	Pressure (kN/m ²)	8.70	6.85	5.52	4.57	4.15	3.80	3.51	3.25	3.01	2.79	2.58	2.38	2.19	2.01	1.84	1.69	1.56	
	Suction (kN/m ²)	-17.76	-15.11	-12.91	-11.16	-9.86	-8.80	-7.90	-7.10	-6.38	-5.73	-5.16	-4.64	-4.16	-3.71	-3.28	-2.88	-2.53	
	b (mm)	349	329	313	300	289	279	269	259	249	239	229	219	209	199	190	180	170	
450	a (mm)	129	123	120	117	115	114	113	112	111	110	109	108	107	106	105	104	103	
	Pressure (kN/m ²)	9.16	7.21	5.81	4.83	4.40	4.04	3.74	3.47	3.22	3.00	2.78	2.57	2.37	2.18	2.00	1.84	1.70	
	Suction (kN/m ²)	-18.72	-15.97	-13.67	-11.82	-10.42	-9.36	-8.46	-7.62	-6.84	-6.11	-5.50	-4.94	-4.42	-3.93	-3.47	-3.04	-2.66	
470	b (mm)	369	348	331	317	305	294	283	272	261	250	239	228	217	206	195	184	172	
	a (mm)	137	131	128	125	123	122	121	120	119	118	117	116	115	114	113	112	111	
	Pressure (kN/m ²)	9.62	7.57	6.09	5.08	4.64	4.27	3.96	3.68	3.42	3.18	2.95	2.73	2.52	2.32	2.13	1.96	1.81	
490	Suction (kN/m ²)	-19.68	-16.83	-14.43	-12.48	-10.98	-9.82	-8.82	-7.96	-7.14	-6.38	-5.67	-5.01	-4.46	-3.94	-3.45	-2.99	-2.58	
	b (mm)	389	367	349	334	321	309	296	284	271	258	245	232	219	206	192	178	164	
	a (mm)	145	139	136	133	131	130	129	128	127	126	125	124	123	122	121	120	119	
510	Pressure (kN/m ²)	10.08	7.93	6.38	5.34	4.89	4.51	4.19	3.90	3.63	3.38	3.14	2.91	2.69	2.48	2.27	2.08	1.92	
	Suction (kN/m ²)	-20.64	-17.69	-15.19	-13.14	-11.54	-10.28	-9.12	-8.10	-7.22	-6.40	-5.63	-4.91	-4.32	-3.76	-3.24	-2.75	-2.31	
	b (mm)	409	386	367	350	336	322	308	294	279	264	249	233	217	201	185	168	152	
530	a (mm)	153	147	144	141	139	138	137	136	135	134	133	132	131	130	129	128	127	
	Pressure (kN/m ²)	10.54	8.29	6.66	5.59	5.13	4.74	4.41	4.11	3.83	3.57	3.32	3.08	2.84	2.61	2.38	2.17	1.99	
	Suction (kN/m ²)	-21.60	-18.55	-15.95	-13.80	-12.10	-10.74	-9.58	-8.56	-7.66	-6.80	-6.00	-5.24	-4.52	-3.83	-3.26	-2.74	-2.28	
550	b (mm)	429	405	385	367	351	335	319	299	279	257	234	210	184	166	148	129	112	
	a (mm)	161	155																

	Core Thickness (mm)	Load Type kN/m²	Span length (m)																
			1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	
			a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)	a (mm)
TRIPLE SPAN 	50	Pressure (kN/m²)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
		Suction (kN/m²)	2.25	1.67	1.31	1.07	0.91	0.78	0.68	0.60	0.53	0.48	0.43	0.39	0.36	0.33	0.30	-	-
		Suction (kN/m²)	-3.10	-2.46	-2.04	-1.75	-1.53	-1.36	-1.22	-1.04	-0.90	-0.79	-0.69	-0.62	-0.56	-0.51	-0.46	-	-
	60	a (mm)	82	73	67	63	61	60	60	60	60	60	60	60	60	60	60	60	60
		Pressure (kN/m²)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Suction (kN/m²)	2.48	1.85	1.47	1.20	1.01	0.88	0.77	0.68	0.61	0.55	0.49	0.45	0.41	0.38	0.35	0.32	0.32
	80	b (mm)	89	80	74	70	66	65	63	62	61	60	60	60	60	60	60	60	60
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	2.93	2.22	1.77	1.47	1.24	1.07	0.95	0.85	0.76	0.68	0.62	0.57	0.52	0.48	0.44	0.41	0.41
	100	Suction (kN/m²)	-4.66	-3.73	-3.11	-2.68	-2.35	-2.10	-1.78	-1.51	-1.30	-1.13	-1.13	-0.90	-0.80	-0.73	-0.66	-0.61	-0.61
		b (mm)	104	94	87	83	80	77	75	75	74	72	72	72	70	70	69	69	69
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	120	Pressure (kN/m²)	3.39	2.59	2.08	1.73	1.48	1.28	1.13	1.13	0.91	0.82	0.75	0.69	0.63	0.58	0.54	0.50	0.50
		Suction (kN/m²)	-5.66	-4.55	-3.81	-3.28	-2.88	-2.58	-2.15	-1.82	-1.57	-1.37	-1.20	-1.07	-0.97	-0.88	-0.80	-0.73	-0.73
		b (mm)	121	111	104	99	96	94	92	90	90	88	88	87	86	85	85	84	84
	150	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	3.84	2.96	2.39	2.00	1.71	1.49	1.31	1.17	1.05	0.96	0.88	0.81	0.74	0.69	0.64	0.59	0.59
		Suction (kN/m²)	-6.63	-5.35	-4.49	-3.87	-3.41	-3.04	-2.53	-2.14	-1.84	-1.60	-1.41	-1.25	-1.13	-1.02	-0.93	-0.86	-0.86
	170	b (mm)	140	130	123	118	115	112	110	108	107	106	106	105	104	104	103	102	102
		a (mm)	47	42	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	4.52	3.52	2.86	2.40	2.06	1.80	1.59	1.42	1.28	1.16	1.06	0.99	0.91	0.84	0.78	0.73	0.73
190	Suction (kN/m²)	-8.07	-6.54	-5.50	-4.76	-4.19	-3.71	-3.09	-2.61	-2.25	-1.95	-1.72	-1.53	-1.37	-1.24	-1.13	-1.03	-1.03	
	b (mm)	169	159	151	146	143	140	137	136	134	132	131	133	131	130	129	129	129	
	a (mm)	57	51	48	45	43	41	41	40	40	40	40	40	40	40	40	40	40	
210	Pressure (kN/m²)	4.98	3.89	3.17	2.67	2.29	2.00	1.77	1.59	1.43	1.30	1.19	1.09	1.01	0.95	0.87	0.80	0.80	
	Suction (kN/m²)	-9.02	-7.32	-6.17	-5.34	-4.70	-4.13	-3.46	-2.93	-2.52	-2.19	-1.93	-1.71	-1.54	-1.39	-1.26	-1.16	-1.16	
	b (mm)	189	178	170	165	161	158	155	154	152	151	150	148	148	149	146	144	144	

- Notes:
- Steel thickness ext/int: 0.50/0.40mm
 - Values have been calculated using the method described

NOVA 5 (MW) WALL PANEL LOAD SPAN TABLE

Core Thickness (mm)	Load Type kN/m ²	Span length (L) (m)															
		1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
		a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (mm)	i (mm)	j (mm)	k (mm)	l (mm)	m (mm)	n (mm)	o (mm)	p (mm)
SINGLE SPAN	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	2.13	1.66	1.36	1.15	1.15	0.90	0.81	0.73	0.67	0.61	0.57	0.53	0.49	0.46	0.44	0.41
	Suction (kN/m ²)	-2.47	-1.93	-1.58	-1.34	-1.16	-1.02	-0.93	-0.82	-0.70	-0.60	-0.52	-0.45	-0.40	-0.36	-0.32	-0.29
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	2.72	2.14	1.76	1.49	1.30	1.15	1.03	0.95	0.87	0.80	0.74	0.69	0.64	0.60	0.57	0.54
	Suction (kN/m ²)	-3.02	-2.37	-1.95	-1.66	-1.44	-1.27	-1.14	-0.97	-0.82	-0.71	-0.61	-0.54	-0.48	-0.42	-0.38	-0.34
	60	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	3.27	2.58	2.13	1.82	1.58	1.40	1.26	1.14	1.04	0.97	0.90	0.84	0.79	0.74	0.70	0.66
	Suction (kN/m ²)	-3.54	-2.80	-2.31	-1.97	-1.71	-1.52	-1.33	-1.11	-0.95	-0.82	-0.71	-0.62	-0.55	-0.49	-0.44	-0.40
	80	47	44	43	42	41	41	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	4.33	3.44	2.86	2.44	2.13	1.89	1.70	1.54	1.41	1.30	1.21	1.13	1.05	1.05	0.95	0.90
	Suction (kN/m ²)	-4.55	-3.62	-3.00	-2.57	-2.24	-1.99	-1.68	-1.41	-1.20	-1.03	-0.90	-0.79	-0.70	-0.62	-0.56	-0.50
	100	60	55	53	52	51	51	50	50	49	49	49	49	49	48	48	48
	Pressure (kN/m ²)	5.34	4.27	3.55	3.04	2.66	2.37	2.13	1.93	1.77	1.64	1.52	1.42	1.33	1.25	1.18	1.12
	Suction (kN/m ²)	-5.53	-4.42	-3.69	-3.16	-2.76	-2.45	-2.04	-1.71	-1.45	-1.25	-1.09	-0.96	-0.85	-0.76	-0.68	-0.61
	120	80	75	72	69	68	66	65	64	64	63	62	62	62	61	61	60
	Pressure (kN/m ²)	6.32	5.07	4.24	3.64	3.19	2.83	2.55	2.32	2.13	1.96	1.82	1.70	1.60	1.50	1.42	1.34
	Suction (kN/m ²)	-6.50	-5.22	-4.36	-3.74	-3.27	-2.91	-2.40	-2.01	-1.71	-1.47	-1.28	-1.12	-1.02	-0.89	-0.80	-0.72
	150	109	104	100	98	96	94	93	92	91	90	90	89	89	88	88	88
	Pressure (kN/m ²)	7.76	6.26	5.24	4.51	3.96	3.52	3.18	2.89	2.65	2.45	2.28	2.13	1.99	1.88	1.77	1.68
	Suction (kN/m ²)	-7.92	-6.38	-5.35	-4.60	-4.04	-3.57	-3.24	-2.47	-2.10	-1.81	-1.57	-1.38	-1.22	-1.09	-0.99	-0.89
	170	129	123	120	117	115	113	112	111	110	109	109	108	108	107	107	106
	Pressure (kN/m ²)	8.71	7.04	5.91	5.09	4.47	3.98	3.59	3.27	3.00	2.77	2.58	2.41	2.26	2.13	2.01	1.90
	Suction (kN/m ²)	-8.86	-7.16	-6.00	-5.17	-4.54	-4.01	-3.30	-2.77	-2.36	-2.03	-1.76	-1.55	-1.37	-1.22	-1.10	-1.10

Core Thickness (mm)	Load Type kN/m ²	Span length (m)															
		1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
		a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (mm)	i (mm)	j (mm)	k (mm)	l (mm)	m (mm)	n (mm)	o (mm)	p (mm)
DOUBLE SPAN	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	2.13	1.66	1.36	1.15	1.15	0.90	0.81	0.73	0.67	0.61	0.57	0.53	0.49	0.46	0.44	0.41
	Suction (kN/m ²)	-2.47	-1.93	-1.58	-1.34	-1.16	-1.02	-0.93	-0.82	-0.70	-0.60	-0.52	-0.45	-0.40	-0.36	-0.32	-0.29
	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	2.72	2.14	1.76	1.49	1.30	1.15	1.03	0.95	0.87	0.80	0.74	0.69	0.64	0.60	0.57	0.54
	Suction (kN/m ²)	-3.02	-2.37	-1.95	-1.66	-1.44	-1.27	-1.14	-0.97	-0.82	-0.71	-0.61	-0.54	-0.48	-0.42	-0.38	-0.34
	60	43	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	3.27	2.58	2.13	1.82	1.58	1.28	0.93	0.64	0.45	0.33	0.24	0.18	0.14	0.11	0.08	0.06
	Suction (kN/m ²)	-3.54	-2.79	-2.31	-1.97	-1.71	-1.47	-1.26	-1.11	-0.95	-0.82	-0.71	-0.62	-0.55	-0.49	-0.44	-0.40
	80	54	52	50	48	46	45	45	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	4.33	3.44	2.86	2.44	2.13	1.89	1.24	0.94	0.66	0.47	0.35	0.26	0.19	0.15	0.11	0.09
	Suction (kN/m ²)	-4.55	-3.62	-2.99	-2.43	-2.02	-1.72	-1.49	-1.31	-1.16	-1.03	-0.90	-0.79	-0.70	-0.62	-0.56	-0.50
	100	66	63	61	59	57	55	47	40	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	5.34	4.27	3.55	3.04	2.66	2.37	1.78	1.18	0.92	0.66	0.49	0.36	0.27	0.21	0.16	0.12
	Suction (kN/m ²)	-5.53	-4.33	-3.39	-2.75	-2.30	-1.96	-1.70	-1.50	-1.33	-1.20	-1.08	-0.96	-0.85	-0.76	-0.68	-0.61
	120	80	75	72	70	67	66	62	48	40	40	40	40	40	40	40	40
	Pressure (kN/m ²)	6.32	5.07	4.24	3.64	3.18	2.83	2.42	1.63	1.11	0.89	0.66	0.49	0.37	0.28	0.22	0.17
	Suction (kN/m ²)	-6.40	-4.80	-3.77	-3.06	-2.56	-2.19	-1.90	-1.67	-1.49	-1.34	-1.21	-1.11	-1.01	-0.89	-0.80	-0.72
	150	109	104	100	98	90	84	79	70	55	45	41	40	40	40	40	40
	Pressure (kN/m ²)	7.76	6.26	5.24	4.51	3.80	3.27	2.85	2.43	1.69	1.19	0.97	0.73	0.55	0.42	0.33	0.25
	Suction (kN/m ²)	-7.25	-5.47	-4.31	-3.51	-2.93	-2.51	-2.18	-1.92	-1.71	-1.54	-1.40	-1.28	-1.17	-1.08	-0.99	-0.89
	170	129	123	119	109	101	94	89	84	67	54	45	42	40	40	40	40
	Pressure (kN/m ²)	8.71	7.04	5.88	4.85	4.10	3.52	3.08	2.72	2.14	1.52	1.09	0.91	0.69	0.53	0.41	0.32
	Suction (kN/m ²)	-7.79	-5.89	-4.65	-3.79	-3.17	-2.71	-2.36	-2.08	-1.85	-1.67	-1.51	-1.38	-1.27	-1.17	-1.09	-1.09

	Core Thickness (mm)	Load Type kN/m²	Span length (m)																
			1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	
TRIPLE SPAN	40	a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	2.13	1.66	1.36	1.15	1.15	0.90	0.81	0.73	0.67	0.61	0.55	0.46	0.40	0.34	0.30	0.27	
		Suction (kN/m²)	-2.47	-1.93	-1.58	-1.34	-1.16	-1.02	-0.93	-0.82	-0.70	-0.60	-0.52	-0.45	-0.40	-0.36	-0.32	-0.29	
		b (mm)	75	69	65	63	61	61	60	60	60	60	60	60	60	60	60	60	60
		a (mm)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	2.72	2.14	1.76	1.49	1.30	1.15	1.03	0.95	0.87	0.75	0.62	0.53	0.45	0.39	0.34	0.30	
	Suction (kN/m²)	-3.02	-2.37	-1.95	-1.66	-1.44	-1.27	-1.14	-0.97	-0.82	-0.71	-0.61	-0.54	-0.48	-0.42	-0.38	-0.34		
	b (mm)	96	90	86	83	81	79	78	78	78	78	71	61	60	60	60	60	60	
	60	a (mm)	44	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	3.27	2.58	2.13	1.82	1.58	1.40	1.26	1.14	1.14	0.85	0.71	0.60	0.51	0.44	0.39	0.34	
		Suction (kN/m²)	-3.54	-2.79	-2.31	-1.97	-1.71	-1.52	-1.33	-1.11	-0.95	-0.82	-0.71	-0.62	-0.55	-0.49	-0.44	-0.40	
		b (mm)	116	109	105	102	99	97	96	95	89	80	70	61	60	60	60	60	60
		a (mm)	57	53	50	48	46	45	43	42	40	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	4.33	3.44	2.86	2.44	2.13	1.89	1.70	1.54	1.23	1.23	0.89	0.75	0.64	0.56	0.48	0.43	
	Suction (kN/m²)	-4.55	-3.62	-3.00	-2.57	-2.24	-1.99	-1.68	-1.41	-1.20	-1.03	-0.90	-0.79	-0.70	-0.62	-0.56	-0.50		
	b (mm)	155	147	142	137	135	132	131	129	108	92	87	76	67	60	60	60	60	
	80	a (mm)	69	65	62	59	57	55	54	52	46	40	40	40	40	40	40	40	40
		Pressure (kN/m²)	5.34	4.27	3.55	3.04	2.66	2.37	2.13	1.93	1.54	1.23	1.01	0.92	0.79	0.68	0.59	0.52	
		Suction (kN/m²)	-5.53	-4.42	-3.68	-3.16	-2.76	-2.45	-2.04	-1.71	-1.45	-1.25	-1.09	-0.96	-0.85	-0.76	-0.68	-0.61	
		b (mm)	184	165	174	174	171	169	165	158	116	96	86	75	67	60	60	60	60
		a (mm)	80	76	73	70	68	66	65	64	55	49	43	40	40	40	40	40	40
		Pressure (kN/m²)	6.32	5.07	4.24	3.64	3.18	2.83	2.55	2.32	1.87	1.50	1.22	1.01	0.94	0.81	0.70	0.61	
	Suction (kN/m²)	-6.49	-5.21	-4.35	-3.74	-3.21	-2.78	-2.40	-2.01	-1.71	-1.47	-1.28	-1.12	-1.02	-0.89	-0.80	-0.72		
	b (mm)	234	225	218	214	210	207	205	203	174	147	125	108	96	85	84	75	75	
100	a (mm)	109	104	100	96	96	94	93	92	79	62	55	49	45	43	40	40	40	
	Pressure (kN/m²)	7.76	6.26	5.24	4.51	3.96	3.52	3.18	2.89	2.42	1.93	1.58	1.30	1.10	1.00	0.88	0.77		
	Suction (kN/m²)	-7.92	-6.24	-5.04	-4.21	-3.60	-3.13	-2.76	-2.46	-2.00	-1.81	-1.57	-1.38	-1.22	-1.09	-0.99	-0.89		
	b (mm)	293	283	276	271	267	264	262	259	233	197	169	146	128	123	112	101	101	
	a (mm)	129	123	119	117	115	113	112	110	100	79	63	57	52	47	46	43	40	
	Pressure (kN/m²)	8.71	7.04	5.90	5.09	4.46	3.98	3.59	3.25	2.82	2.25	1.83	1.51	1.27	1.07	1.07	0.88		
Suction (kN/m²)	-8.57	-6.64	-5.37	-4.49	-3.84	-3.34	-2.95	-2.64	-2.36	-2.03	-1.76	-1.55	-1.37	-1.22	-1.10	-1.00			
b (mm)	332	321	314	309	304	301	299	295	265	223	203	176	152	133	131	119	119		