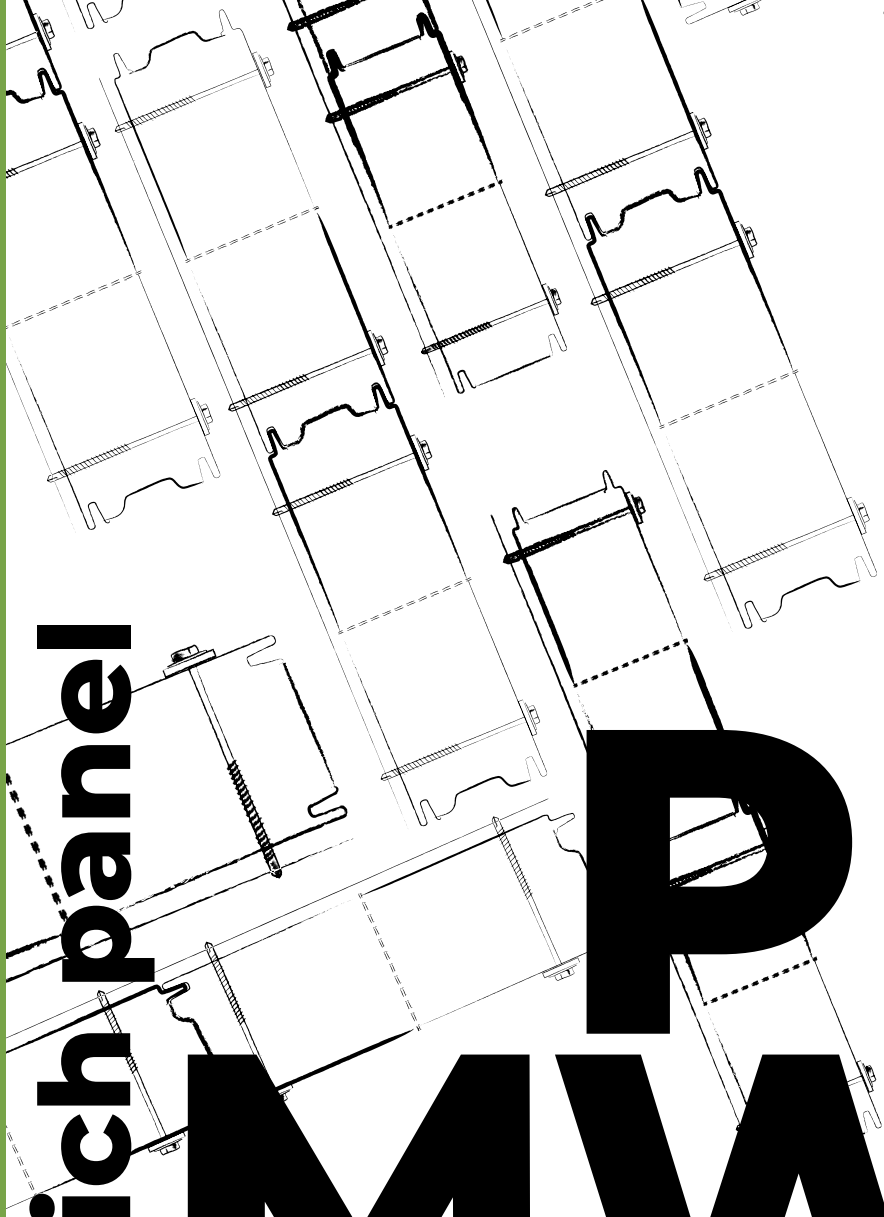

strength tables

sandwich panel

PIR
MWF
EPS

IZO PANEL

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Types of IZOPANEL sandwich panels

		Core type					
		PIR-N/PIR-F		EPS		MWF	
		core made of stiff polyisocyanurate foam		core made of expanded polystyrene		core made of mineral wool	
		thickness [mm]	modular width [mm]	thickness [mm]	modular width [mm]	thickness [mm]	modular width [mm]
IzoWall	Wall panel with visible fastening. To be installed on walls vertically or horizontally.	40 60 80 100 110 120 ** 140 160 180 200	1150 or 1080* or 1000* or 1200*	50 75 100 125 150 200 250	1150	60 80 100 120 150 200	1150
IzoGold	Wall panel with hidden fastening. To be installed on walls vertically or horizontally.	60 80 100 120	1080 or 1000*	–	–	–	–
IzoCold	Insulating panel for freezers and cold stores, for walls and suspended ceilings.	120 140 160 180 200 220	1150 or 1080* or 1000* or 1200*	–	–	–	–
IzoRoof	High profile roof panel.	40 60 80 100 120 140 160	1080	75 100 125 150 200 250	1080	80 100 120 150 200	1080
*thermal conductivity λ [W/m*K]*		0,022 / 0,021		0,040		0,040	
typical fire resistance class		EI 15/EI 30		–		EI 120	
specific acoustic resistance coefficient R_w		27		24		31	

* Modular width available on an individual order.
** Labyrinth joints can be found on 120 mm-thick PIR-N/PIR-F core panels and thicker.

PIR-N/PIR-F

IzoWall 40 PIR-N/PIR-F - Table 1

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

| a | b |

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	2.45	2.69	3.01	3.47	3.80	4.25	4.91	5.51	4.77	4.27	3.90	3.38	3.02	2.76
		SLS	2.87	3.12	3.44	3.86	4.12	4.45	4.90	4.49	4.21	3.94	3.70	3.33	03.06	2.85
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	2.45	2.69	3.01	3.47	3.80	4.25	4.91	5.51	4.77	4.27	3.90	3.38	3.02	2.76
		SLS	2.85	03.06	3.33	3.70	3.94	4.21	4.49	4.49	4.21	3.94	3.70	3.33	03.06	2.85
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	2.45	2.69	3.01	3.47	3.80	4.25	4.91	5.51	4.77	4.27	3.90	3.38	3.02	2.76
		SLS	2.70	2.89	3.10	3.31	3.45	3.60	3.79	3.94	3.94	3.94	3.70	3.33	03.06	2.85
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.22	2.65	3.01	3.36	3.37	3.36	3.37	3.52	3.24	3.05	2.90	2.68	2.52	2.14
		SLS	3.43	3.78	4.24	4.86	5.28	5.83	6.59	6.59	5.83	5.28	4.86	4.24	3.78	3.43
		fasteners*	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.14	2.56	3.01	3.36	3.37	3.36	3.36	3.52	3.24	3.05	2.90	2.68	2.52	2.14
		SLS	3.43	3.78	4.24	4.86	5.28	5.83	6.59	6.59	5.83	5.28	4.86	4.24	3.78	3.43
		fasteners*	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.01	2.32	2.43	2.57	2.67	2.78	2.93	2.42	2.41	2.42	2.42	2.42	2.41	2.14
		SLS	3.43	3.78	4.24	4.86	5.28	5.83	6.58	6.59	5.83	5.28	4.86	4.24	3.78	3.43
		fasteners*	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.45	2.69	3.01	3.47	3.80	4.25	4.91	4.49	3.97	3.61	3.35	2.98	2.74	2.45
		SLS	3.33	3.65	4.06	4.63	5.01	5.51	6.19	6.19	5.51	5.01	4.63	4.06	3.65	3.33
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.45	2.69	3.01	3.47	3.80	4.25	4.91	4.49	3.97	3.61	3.35	2.98	2.74	2.45
		SLS	3.33	3.65	4.06	4.63	5.01	5.51	6.19	6.19	5.51	5.01	4.63	4.06	3.65	3.33
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.34	2.48	2.67	2.94	3.14	3.40	3.78	3.26	3.25	3.25	3.24	2.98	2.74	2.45
		SLS	3.33	3.65	4.06	4.61	4.94	5.37	5.94	6.19	5.51	5.01	4.63	4.06	3.65	3.33
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 60/IzoGold 60 PIR-N/PIR-F - Table 2

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.01	3.30	3.69	4.26	4.67	5.22	6.02	6.76	5.86	5.24	4.78	4.14	3.70	3.38
		SLS	3.87	4.19	4.62	5.20	5.58	6.03	6.63	6.29	5.78	5.36	5.04	4.55	4.19	3.87
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.01	3.30	3.69	4.26	4.67	5.22	6.02	6.76	5.86	5.24	4.78	4.14	3.70	3.38
		SLS	3.87	4.19	4.55	5.04	5.36	5.78	6.29	6.29	5.78	5.36	5.04	4.55	4.19	3.87
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3.01	3.30	3.69	4.26	4.67	5.22	6.02	6.76	5.86	5.24	4.78	4.14	3.70	3.38
		SLS	3.73	3.99	4.32	4.69	4.89	5.13	5.42	5.93	5.78	5.36	05.04	4.55	4.19	3.87
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.41	2.88	3.59	4.11	4.12	4.12	4.12	4.32	3.98	3.74	3.55	3.28	3.09	2.63
		SLS	4.70	5.15	5.74	6.55	7.10	7.81	8.79	8.79	7.81	7.10	6.55	5.74	5.15	4.70
		fasteners*	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.31	2.76	3.46	4.11	4.12	4.12	4.12	4.32	3.98	3.74	3.55	3.28	3.09	2.63
		SLS	4.70	5.15	5.74	6.55	7.10	7.81	8.79	8.79	7.81	7.10	6.55	5.74	5.15	4.70
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.16	2.58	2.98	3.15	3.27	3.41	3.60	2.96	2.96	2.96	2.96	2.95	2.96	2.63
		SLS	4.70	5.15	5.74	6.55	7.10	7.81	8.79	8.79	7.81	7.10	6.55	5.74	5.15	4.70
		fasteners*	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.77	3.30	3.69	4.26	4.67	5.22	6.02	5.51	4.86	4.43	4.11	3.66	3.35	3.08
		SLS	4.53	4.94	5.48	6.21	6.71	7.35	8.24	8.24	7.35	6.71	6.21	5.48	4.94	4.53
		fasteners*	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.72	3.28	3.69	4.26	4.67	5.22	6.02	5.51	4.86	4.43	4.11	3.66	3.35	3.08
		SLS	4.53	4.94	5.48	6.21	6.71	7.35	8.24	8.24	7.35	6.71	6.21	5.48	4.94	4.53
		fasteners*	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.64	3.04	3.27	3.61	3.85	4.17	4.63	3.98	3.97	3.95	4.00	3.66	3.35	3.08
		SLS	4.53	4.94	5.48	6.21	6.71	7.29	8.06	8.24	7.35	6.71	6.21	5.48	4.94	4.53
		fasteners*	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

The strength table also applies to **IzoGold 60** wall panels.
Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 80/IzoGold 80 PIR-N/PIR-F - Table 3

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.48	3.81	4.26	4.92	5.39	6.03	6.96	7.82	6.77	6.05	5.53	4.79	4.28	3.91
		SLS	4.77	5.16	5.67	6.37	6.84	7.44	8.19	7.85	7.16	6.65	6.25	5.65	5.16	4.77
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.48	3.81	4.26	4.92	5.39	6.03	6.96	7.82	6.77	6.05	5.53	4.79	4.28	3.91
		SLS	4.77	5.16	5.65	6.25	6.65	7.16	7.85	7.85	7.16	6.65	6.25	5.65	5.16	4.77
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3.48	3.81	4.26	4.92	5.39	6.03	6.96	7.82	6.77	6.05	5.53	4.79	4.28	3.91
		SLS	4.66	4.98	5.39	5.94	6.23	6.54	6.94	7.85	7.16	6.65	6.25	5.65	5.16	4.77
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.39	2.84	3.53	4.72	4.76	4.75	4.76	4.99	4.59	4.32	4.10	3.79	3.48	2.91
		SLS	5.85	6.40	7.10	8.08	8.74	9.59	10.76	10.76	9.59	8.74	8.08	7.10	6.40	5.85
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.27	2.69	3.36	4.53	4.76	4.75	4.76	4.99	4.59	4.32	4.10	3.79	3.48	2.91
		SLS	5.85	6.40	7.10	8.08	8.74	9.59	10.76	10.76	9.59	8.74	8.08	7.10	6.40	5.85
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.09	2.48	3.10	3.64	3.77	3.94	4.15	3.42	3.41	3.42	3.42	3.42	3.41	2.91
		SLS	5.85	6.40	7.10	8.08	8.74	9.59	10.76	10.76	9.59	8.74	8.08	7.10	6.40	5.85
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.74	3.30	4.15	4.92	5.39	6.03	6.96	6.36	5.62	5.11	4.74	4.23	3.88	3.41
		SLS	5.62	6.11	6.75	7.64	8.23	9.01	10.08	10.08	9.01	8.23	7.64	6.75	6.11	5.62
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.67	3.23	4.08	4.92	5.39	6.03	6.96	6.36	5.62	5.11	4.74	4.23	3.88	3.41
		SLS	5.62	6.11	6.75	7.64	8.23	9.01	10.08	10.08	9.01	8.23	7.64	6.75	6.11	5.62
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.56	3.11	3.78	4.17	4.44	4.81	5.36	4.60	4.60	4.61	4.58	4.23	3.88	3.41
		SLS	5.62	6.11	6.75	7.64	8.23	9.01	9.98	10.08	9.01	8.23	7.64	6.75	6.11	5.62
		fasteners*	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2

The strength table also applies to **IzoGold 80** wall panels.
Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 100/IzoGold 100 PIR-N/PIR-F - Table 4

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.89	4.27	4.77	5.51	6.03	6.75	7.79	8.74	7.57	6.77	6.19	5.35	4.79	4.37
		SLS	5.60	6.06	6.64	7.45	7.99	8.70	9.63	9.27	8.45	7.85	7.38	6.64	6.06	5.60
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.89	4.27	4.77	5.51	6.03	6.75	7.79	8.74	7.57	6.77	6.19	5.35	4.79	4.37
		SLS	5.60	6.06	6.64	7.38	7.85	8.45	9.27	9.27	8.45	7.85	7.38	6.64	6.06	5.60
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3.89	4.27	4.77	5.51	6.03	6.75	7.79	8.74	7.57	6.77	6.19	5.35	4.79	4.37
		SLS	5.52	5.91	6.39	07.04	7.46	7.88	8.38	9.27	8.45	7.85	7.38	6.64	6.06	5.60
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.37	2.80	3.47	4.63	5.32	5.33	5.31	5.58	5.14	4.83	4.59	4.24	3.82	3.19
		SLS	6.92	7.55	8.36	9.49	10.25	11.23	12.58	12.58	11.23	10.25	9.49	8.36	7.55	6.92
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.23	2.64	3.28	4.40	5.32	5.33	5.31	5.58	5.14	4.83	4.59	4.24	3.82	3.19
		SLS	6.92	7.55	8.36	9.49	10.25	11.23	12.58	12.58	11.23	10.25	9.49	8.36	7.55	6.92
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.03	2.39	2.97	4.02	4.22	4.40	4.65	3.82	3.82	3.82	3.82	3.82	3.82	3.19
		SLS	6.92	7.55	8.36	9.49	10.25	11.23	12.58	12.58	11.23	10.25	9.49	8.36	7.55	6.92
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3
multi-span system	I	ULS	2.71	3.26	4.11	5.51	6.03	6.75	7.79	7.12	6.28	5.72	5.31	4.73	4.34	3.75
		SLS	6.62	7.19	7.93	8.95	9.64	10.53	11.77	11.77	10.53	9.64	8.95	7.93	7.19	6.62
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.62	3.17	4.01	5.44	6.03	6.75	7.79	7.12	6.28	5.72	5.31	4.73	4.34	3.75
		SLS	6.62	7.19	7.93	8.95	9.64	10.53	11.77	11.77	10.53	9.64	8.95	7.93	7.19	6.62
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.49	3.03	3.86	4.66	4.97	5.39	5.99	5.13	5.16	5.13	5.13	4.73	4.34	3.75
		SLS	6.62	7.19	7.93	8.95	9.64	10.53	11.75	11.77	10.53	9.64	8.95	7.93	7.19	6.62
		fasteners*	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2

The strength table also applies to **IzoGold 100** wall panels.
Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 120/IzoGold 120 PIR-N/PIR-F - Table 5

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.90	8.43	9.01	9.62	9.99	10.43	10.97	14.08	12.91	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	II	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.73	8.13	8.57	9.10	9.43	9.81	10.26	12.60	12.60	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	III	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.28	7.59	7.96	8.39	8.65	8.95	9.30	10.88	10.88	10.88	10.88	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	I	ULS	2.04	2.23	2.52	3.03	3.35	3.38	3.40	3.48	3.48	3.48	3.48	3.40	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 3	3 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.82	1.97	2.16	2.44	2.66	3.01	3.07	3.11	3.11	3.11	3.11	3.11	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.57	1.67	1.79	1.93	2.03	2.14	2.30	2.73	2.73	2.73	2.73	2.63	2.33	2.14
		SLS	10.31	11.24	12.44	14.10	15.16	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.69	2.71	2.74	2.78	2.80	2.81	2.83	2.90	2.90	2.90	2.90	2.90	2.11	1.79
		SLS	9.86	10.70	11.79	13.29	14.20	15.35	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 4	3 3	3 3
	II	ULS	2.39	2.40	2.42	2.44	2.45	2.45	2.47	2.50	2.50	2.50	1.92	1.66	1.52	1.42
		SLS	9.86	10.70	11.79	13.12	14.00	15.11	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3
	III	ULS	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.42	1.37	1.32	1.27	1.22	1.17	1.12
		SLS	9.86	10.63	11.57	12.84	13.68	14.74	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2

The strength table also applies to **IzoGold 120 wall panels.**
Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 140 PIR-N/PIR-F - Table 6

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.65	7.11	7.67	8.24	8.58	8.98	9.47	12.09	10.85	9.96	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	II	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.50	6.91	7.29	7.76	8.05	8.39	8.79	10.95	10.85	9.96	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	III	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.14	6.40	6.72	7.11	7.33	7.59	7.90	9.30	9.30	9.30	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
two-span system	I	ULS	2.36	2.75	3.24	3.30	3.33	3.36	3.41	3.54	3.54	3.54	3.54	3.46	2.82	2.40
		SLS	8.54	9.33	10.36	11.78	12.73	13.96	15.68	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 4	3 4	3 4	3 4
	II	ULS	2.20	2.49	2.90	2.94	2.96	2.98	3.00	3.07	3.07	3.07	3.07	3.07	2.82	2.40
		SLS	8.54	9.33	10.36	11.78	12.73	13.97	15.63	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.84	2.01	2.25	2.55	2.56	2.57	2.59	2.62	2.62	2.62	2.62	2.62	2.62	2.40
		SLS	8.54	9.33	10.36	11.78	12.70	13.80	15.29	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.73	2.78	2.84	2.90	2.93	2.97	3.02	3.16	3.16	3.16	3.17	3.16	3.17	2.68
		SLS	8.19	8.92	9.84	11.13	11.97	12.96	14.29	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 4	3 4	3 4
	II	ULS	2.37	2.39	2.42	2.45	2.47	2.48	2.50	2.56	2.55	2.56	2.56	2.56	2.56	2.56
		SLS	8.19	8.92	9.84	11.03	11.78	12.73	14.02	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 2	3 3	3 3	3 4	3 4
	III	ULS	2.00	2.01	2.02	2.03	2.04	2.05	2.05	2.07	2.07	2.07	2.08	2.07	1.79	1.56
		SLS	8.19	8.88	9.69	10.77	11.49	12.40	13.56	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 160 PIR-N/PIR-F - Table 7

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside:
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside:
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	7.30	7.78	8.37	8.96	9.31	9.74	10.25	13.26	11.90	10.93	10.19	9.08	8.28	7.66
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	II	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	7.13	7.54	7.95	8.46	8.77	9.12	9.56	11.82	11.82	10.93	10.19	9.08	8.28	7.66
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	III	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	6.73	7.02	7.36	7.77	08.02	8.30	8.62	10.13	10.13	10.13	10.13	9.08	8.28	7.66
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.25	2.52	2.98	3.32	3.34	3.37	3.40	3.51	3.51	3.51	3.51	3.43	2.80	2.39
		SLS	9.44	10.31	11.42	12.96	14.00	15.35	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.98	2.18	2.47	2.98	3.00	3.02	3.04	3.09	3.09	3.09	3.09	3.09	2.80	2.39
		SLS	9.44	10.31	11.42	12.96	14.00	15.35	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.69	1.81	1.97	2.20	2.36	2.60	2.65	2.68	2.68	2.68	2.68	2.68	2.68	2.39
		SLS	9.44	10.31	11.42	12.96	13.96	15.16	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.71	2.75	2.79	2.83	2.85	2.88	2.91	3.01	3.00	3.01	3.01	3.01	3.01	2.66
		SLS	9.04	9.82	10.84	12.24	13.11	14.18	15.63	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
	II	ULS	2.38	2.40	2.42	2.44	2.46	2.47	2.48	2.52	2.52	2.53	2.52	2.53	2.17	1.78
		SLS	9.04	9.82	10.84	12.10	12.91	13.95	15.35	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 3
	III	ULS	2.04	2.05	2.06	2.07	2.07	2.08	2.08	1.88	1.78	1.68	1.58	1.44	1.34	1.26
		SLS	9.04	9.78	10.65	11.83	12.61	13.60	14.84	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 180 PIR-N/PIR-F - Table 8

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -30°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.90	8.43	9.01	9.62	9.99	10.43	10.97	14.08	12.91	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	II	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.73	8.13	8.57	9.10	9.43	9.81	10.26	12.60	12.60	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	III	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.28	7.59	7.96	8.39	8.65	8.95	9.30	10.88	10.88	10.88	10.88	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	I	ULS	2.04	2.23	2.52	3.03	3.35	3.38	3.40	3.48	3.48	3.48	3.48	3.40	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 3	3 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.82	1.97	2.16	2.44	2.66	3.01	3.07	3.11	3.11	3.11	3.11	3.11	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.57	1.67	1.79	1.93	2.03	2.14	2.30	2.73	2.73	2.73	2.73	2.63	2.33	2.14
		SLS	10.31	11.24	12.44	14.10	15.16	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.69	2.71	2.74	2.78	2.80	2.81	2.83	2.90	2.90	2.90	2.90	2.90	2.11	1.79
		SLS	9.86	10.70	11.79	13.29	14.20	15.35	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 4	3 3	3 3
	II	ULS	2.39	2.40	2.42	2.44	2.45	2.45	2.47	2.50	2.50	2.50	1.92	1.66	1.52	1.42
		SLS	9.86	10.70	11.79	13.12	14.00	15.11	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3
	III	ULS	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.42	1.37	1.32	1.27	1.22	1.17	1.12
		SLS	9.86	10.63	11.57	12.84	13.68	14.74	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoWall 200 PIR-N/PIR-F - Table 9

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -35°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	8.49	9.04	9.60	10.23	10.63	11.08	11.64	14.78	13.88	12.76	11.90	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	II	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	8.31	8.69	9.14	9.71	10.04	10.44	10.91	13.30	13.30	12.76	11.90	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	III	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	7.80	8.13	8.51	8.97	9.25	9.56	9.92	11.57	11.57	11.57	11.57	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	I	ULS	1.88	2.03	2.23	2.52	2.73	3.08	3.39	3.46	3.46	3.46	3.46	3.38	2.78	2.38
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.69	1.81	1.95	2.14	2.26	2.42	2.63	3.13	3.13	3.13	3.13	2.95	2.57	2.33
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.47	1.55	1.65	1.76	1.83	1.91	2.00	2.44	2.44	2.44	2.44	2.25	2.07	1.94
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4
multi-span system	I	ULS	2.56	2.68	2.71	2.74	2.75	2.76	2.77	2.82	2.82	2.82	1.97	1.72	1.57	1.47
		SLS	10.64	11.55	12.71	14.30	15.25	16.00	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 2	3 2	3 3	3 3
	II	ULS	2.39	2.40	2.42	2.43	2.44	2.45	2.45	1.65	1.57	1.51	1.46	1.37	1.30	1.23
		SLS	10.64	11.55	12.70	14.10	15.03	16.00	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2
	III	ULS	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.21	1.18	1.15	1.12	1.09	1.06	1.02
		SLS	10.64	11.45	12.46	13.81	14.71	15.84	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 120 (without secondary covering (tropic)) PIR-N/PIR-F - Table 10

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.27	4.68	5.23	6.03	6.61	7.39	8.54	9.58	8.30	7.42	6.78	5.87	5.25	4.79
		SLS	6.12	6.52	7.03	7.55	7.85	8.22	8.66	10.98	9.87	9.07	8.46	7.55	6.89	6.39
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	4
	II	ULS	4.27	4.68	5.23	6.03	6.61	7.39	8.54	9.58	8.30	7.42	6.78	5.87	5.25	4.79
		SLS	5.97	6.32	6.66	07.09	7.35	7.65	8.01	9.96	9.87	9.07	8.46	7.55	6.89	6.39
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	4
	III	ULS	4.27	4.68	5.23	6.03	6.61	7.39	8.54	9.58	8.30	7.42	6.78	5.87	5.25	4.79
		SLS	5.60	5.84	6.12	6.46	6.66	6.88	7.15	8.39	8.39	8.39	8.39	7.55	6.89	6.39
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	4
two-span system	I	ULS	2.71	3.24	3.73	3.87	3.96	4.06	4.18	4.75	4.75	4.76	4.56	3.42	2.77	2.35
		SLS	7.92	8.64	9.55	10.81	11.66	12.76	14.29	14.29	12.76	11.66	10.81	9.55	8.64	7.92
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 4	2 4	2 4	3 4	3 4
	II	ULS	2.56	3.05	3.24	3.32	3.36	3.41	3.47	3.67	3.67	3.67	3.67	3.42	2.77	2.35
		SLS	7.92	8.64	9.55	10.81	11.66	12.76	14.26	14.29	12.76	11.66	10.81	9.55	8.64	7.92
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 4	3 4	3 4	3 4
	III	ULS	2.21	2.58	2.73	2.77	2.78	2.81	2.83	2.90	2.90	2.90	2.90	2.90	2.77	2.35
		SLS	7.92	8.64	9.55	10.81	11.63	12.61	13.94	14.29	12.76	11.66	10.81	9.55	8.64	7.92
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	3.47	3.69	3.89	4.16	4.34	4.58	4.89	8.40	7.37	6.64	5.49	4.07	3.23	2.68
		SLS	7.57	8.21	9.04	10.19	10.95	11.83	13.03	13.36	11.96	10.96	10.19	9.04	8.21	7.57
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 4	2 4	2 4	2 4	3 4	3 4	3 4
	II	ULS	2.92	3.00	3.10	3.22	3.29	3.36	3.45	3.91	3.89	3.89	3.89	3.90	3.23	2.68
		SLS	7.57	8.21	9.04	10.09	10.77	11.62	12.77	13.36	11.96	10.96	10.19	9.04	8.21	7.57
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 3	3 4	3 4	3 4
	III	ULS	2.31	2.34	2.37	2.40	2.42	2.44	2.46	2.54	2.53	2.54	2.53	2.54	2.53	2.53
		SLS	7.57	8.16	8.88	9.85	10.49	11.30	12.32	13.36	11.96	10.96	10.19	9.04	8.21	7.57
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	2 2	3 2	3 2	3 3	3 3	3 4	3 4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 120 (with secondary covering (tropic)) PIR-N/PIR-F - Table 11

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]																											
			-1,2		-1		-0,8		-0,6		-0,5		-0,4		-0,3		0,3		0,4		0,5		0,6		0,8		1		1,2	
single-span system	tropic	ULS	4.27		4.68		5.23		6.03		6.61		7.39		8.54		9.58		8.30		7.42		6.78		5.87		5.25		4.79	
		SLS	6.39		6.89		7.55		8.46		9.07		9.83		10.79		10.98		9.87		9.07		8.46		7.55		6.89		6.39	
		fasteners*	2		2		2		2		2		2		2		2		2		2		3		3		3		4	
two-span system	tropic	ULS	3.23		3.85		4.81		6.03		6.61		7.39		8.34		6.82		6.18		5.50		4.56		3.42		2.77		2.35	
		SLS	7.92		8.64		9.55		10.81		11.66		12.76		14.29		14.29		12.76		11.66		10.81		9.55		8.64		7.92	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	4	2	4	2	4	2	4	2	4	2	4
multi-span system	tropic	ULS	3.76		4.53		5.23		6.03		6.61		7.39		8.54		8.40		7.37		6.64		5.49		4.07		3.23		2.68	
		SLS	7.57		8.21		9.04		10.19		10.96		11.96		13.36		13.36		11.96		10.96		10.19		9.04		8.21		7.57	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	4	2	4	2	4	2	4	2	4	2	4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 140 (without secondary covering (tropic)) PIR-N/PIR-F - Table 12

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.65	7.11	7.67	8.24	8.58	8.98	9.47	12.09	10.85	9.96	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	II	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.50	6.91	7.29	7.76	8.05	8.39	8.79	10.95	10.85	9.96	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	III	ULS	3.59	3.93	4.39	5.07	5.56	6.21	7.17	8.92	7.72	6.91	6.31	5.46	4.88	4.46
		SLS	6.14	6.40	6.72	7.11	7.33	7.59	7.90	9.30	9.30	9.30	9.28	8.26	7.52	6.96
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
two-span system	I	ULS	2.36	2.75	3.24	3.30	3.33	3.36	3.41	3.54	3.54	3.54	3.54	3.46	2.82	2.40
		SLS	8.54	9.33	10.36	11.78	12.73	13.96	15.68	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 4	3 4	3 4	3 4
	II	ULS	2.20	2.49	2.90	2.94	2.96	2.98	3.00	3.07	3.07	3.07	3.07	3.07	2.82	2.40
		SLS	8.54	9.33	10.36	11.78	12.73	13.97	15.63	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.84	2.01	2.25	2.55	2.56	2.57	2.59	2.62	2.62	2.62	2.62	2.62	2.62	2.40
		SLS	8.54	9.33	10.36	11.78	12.70	13.80	15.29	15.68	13.96	12.73	11.78	10.36	9.33	8.54
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.73	2.78	2.84	2.90	2.93	2.97	3.02	3.16	3.16	3.16	3.17	3.16	3.17	2.68
		SLS	8.19	8.92	9.84	11.13	11.97	12.96	14.29	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 4	3 4	3 4
	II	ULS	2.37	2.39	2.42	2.45	2.47	2.48	2.50	2.56	2.55	2.56	2.56	2.56	2.56	2.56
		SLS	8.19	8.92	9.84	11.03	11.78	12.73	14.02	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 2	3 3	3 3	3 4	3 4
	III	ULS	2.00	2.01	2.02	2.03	2.04	2.05	2.05	2.07	2.07	2.07	2.08	2.07	1.79	1.56
		SLS	8.19	8.88	9.69	10.77	11.49	12.40	13.56	14.67	13.12	12.00	11.13	9.84	8.92	8.19
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 140 (with secondary covering (tropic)) PIR-N/PIR-F - Table 13

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C lato

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]																											
			-1,2		-1		-0,8		-0,6		-0,5		-0,4		-0,3		0,3		0,4		0,5		0,6		0,8		1		1,2	
single-span system	tropic	ULS	3.59		3.93		4.39		5.07		5.56		6.21		7.17		8.92		7.72		6.91		6.31		5.46		4.88		4.46	
		SLS	6.96		7.52		8.26		9.28		9.93		10.71		11.77		12.09		10.85		9.96		9.28		8.26		7.52		6.96	
		fasteners*	2		2		2		2		2		2		2		2		2		2		2		3		3		3	
two-span system	tropic	ULS	2.85		3.37		3.95		3.95		3.95		3.95		3.94		4.89		4.64		4.44		4.29		3.46		2.82		2.40	
		SLS	8.54		9.33		10.36		11.78		12.73		13.96		15.68		15.68		13.96		12.73		11.78		10.36		9.33		8.54	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	4	2	4	2	4	2	4	2	4
multi-span system	tropic	ULS	3.29		3.81		3.81		3.81		3.81		3.81		3.80		5.40		4.94		4.62		4.38		4.03		3.22		2.68	
		SLS	8.19		8.92		9.84		11.13		12.00		13.12		14.67		14.67		13.12		12.00		11.13		9.84		8.92		8.19	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	3	2	4	2	4	2	4	2	4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 160 (without secondary covering (tropic)) PIR-N/PIR-F - Table 14

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperatura na zewnątrz
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: --25°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	7.30	7.78	8.37	8.96	9.31	9.74	10.25	13.26	11.90	10.93	10.19	9.08	8.28	7.66
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	II	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	7.13	7.54	7.95	8.46	8.77	9.12	9.56	11.82	11.82	10.93	10.19	9.08	8.28	7.66
		fasteners*	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	III	ULS	3.83	4.20	4.70	5.42	5.94	6.64	7.67	9.53	8.26	7.38	6.74	5.84	5.22	4.64
		SLS	6.73	7.02	7.36	7.77	08.02	8.30	8.62	10.13	10.13	10.13	10.13	9.08	8.28	7.66
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2.25	2.52	2.98	3.32	3.34	3.37	3.40	3.51	3.51	3.51	3.51	3.43	2.80	2.39
		SLS	9.44	10.31	11.42	12.96	14.00	15.35	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.98	2.18	2.47	2.98	3.00	3.02	3.04	3.09	3.09	3.09	3.09	3.09	2.80	2.39
		SLS	9.44	10.31	11.42	12.96	14.00	15.35	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.69	1.81	1.97	2.20	2.36	2.60	2.65	2.68	2.68	2.68	2.68	2.68	2.68	2.39
		SLS	9.44	10.31	11.42	12.96	13.96	15.16	16.00	16.00	15.35	14.00	12.96	11.42	10.31	9.44
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.71	2.75	2.79	2.83	2.85	2.88	2.91	3.01	3.00	3.01	3.01	3.01	3.01	2.66
		SLS	9.04	9.82	10.84	12.24	13.11	14.18	15.63	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 2	3 2	3 3	3 3	3 4	3 4	3 4
	II	ULS	2.38	2.40	2.42	2.44	2.46	2.47	2.48	2.52	2.52	2.53	2.52	2.53	2.17	1.78
		SLS	9.04	9.82	10.84	12.10	12.91	13.95	15.35	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 3
	III	ULS	2.04	2.05	2.06	2.07	2.07	2.08	2.08	1.88	1.78	1.68	1.58	1.44	1.34	1.26
		SLS	9.04	9.78	10.65	11.83	12.61	13.60	14.84	16.00	14.40	13.18	12.24	10.84	9.82	9.04
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 160 (with secondary covering (tropic)) PIR-N/PIR-F - Table 15

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C lato

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]																											
			-1,2		-1		-0,8		-0,6		-0,5		-0,4		-0,3		0,3		0,4		0,5		0,6		0,8		1		1,2	
single-span system	tropic	ULS	3.83		4.20		4.70		5.42		5.94		6.64		7.67		9.53		8.26		7.38		6.74		5.84		5.22		4.64	
		SLS	7.66		8.28		9.08		10.14		10.80		11.63		12.76		13.26		11.90		10.93		10.19		9.08		8.28		7.66	
		fasteners*	2		2		2		2		2		2		2		2		2		2		3		3		3		3	
two-span system	tropic	ULS	2.75		3.24		3.99		4.22		4.22		4.21		4.22		5.23		4.96		4.75		4.51		3.43		2.80		2.39	
		SLS	9.44		10.31		11.42		12.96		14.00		15.35		16.00		16.00		15.35		14.00		12.96		11.42		10.31		9.44	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	2	4	2	4	2	4	2	4	2	4
multi-span system	tropic	ULS	3.20		3.87		4.07		4.07		4.07		4.07		4.08		5.77		5.28		4.94		4.68		4.01		3.19		2.66	
		SLS	9.04		9.82		10.84		12.24		13.18		14.40		16.00		16.00		14.40		13.18		12.24		10.84		9.82		9.04	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	4	2	4	2	4	3	4	3	4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 180 (without secondary covering (tropic)) PIR-N/PIR-F - Table 16

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -30°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.90	8.43	9.01	9.62	9.99	10.43	10.97	14.08	12.91	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	II	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.73	8.13	8.57	9.10	9.43	9.81	10.26	12.60	12.60	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	III	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	7.28	7.59	7.96	8.39	8.65	8.95	9.30	10.88	10.88	10.88	10.88	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	I	ULS	2.04	2.23	2.52	3.03	3.35	3.38	3.40	3.48	3.48	3.48	3.48	3.40	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	3 3	3 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.82	1.97	2.16	2.44	2.66	3.01	3.07	3.11	3.11	3.11	3.11	3.11	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.57	1.67	1.79	1.93	2.03	2.14	2.30	2.73	2.73	2.73	2.73	2.63	2.33	2.14
		SLS	10.31	11.24	12.44	14.10	15.16	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4
multi-span system	I	ULS	2.69	2.71	2.74	2.78	2.80	2.81	2.83	2.90	2.90	2.90	2.90	2.90	2.11	1.79
		SLS	9.86	10.70	11.79	13.29	14.20	15.35	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 4	3 3	3 3
	II	ULS	2.39	2.40	2.42	2.44	2.45	2.45	2.47	2.50	2.50	2.50	1.92	1.66	1.52	1.42
		SLS	9.86	10.70	11.79	13.12	14.00	15.11	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3
	III	ULS	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.42	1.37	1.32	1.27	1.22	1.17	1.12
		SLS	9.86	10.63	11.57	12.84	13.68	14.74	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 180 (with secondary covering (tropic)) PIR-N/PIR-F - Table 17

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	tropic	ULS	4.07	4.46	4.98	5.75	6.30	7.05	8.14	10.11	8.76	7.84	7.15	6.20	5.54	4.64
		SLS	8.33	9.00	9.86	10.92	11.61	12.49	13.68	14.37	12.91	11.86	11.06	9.86	9.00	8.33
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	tropic	ULS	2.66	3.11	3.81	4.48	4.47	4.48	4.47	5.55	5.25	05.04	4.45	3.40	2.79	2.39
		SLS	10.31	11.24	12.44	14.10	15.22	16.00	16.00	16.00	16.00	15.22	14.10	12.44	11.24	10.31
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 4	2 4	2 4	2 4	2 4	2 4
multi-span system	tropic	ULS	3.11	3.77	4.31	4.32	4.31	4.31	4.32	6.12	5.60	5.24	4.96	3.98	3.16	2.64
		SLS	9.86	10.70	11.79	13.30	14.32	15.64	16.00	16.00	15.64	14.32	13.30	11.79	10.70	9.86
		fasteners*	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 3	2 3	2 4	2 4	3 4	3 4	3 4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 200 (without secondary covering (tropic)) PIR-N/PIR-F - Table 18

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness	0,50 [mm]	Min. width of the end support	40 [mm]
Inner facing thickness	0,40 [mm]	Min. width of the internal support	60 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -35°C

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	8.49	9.04	9.60	10.23	10.63	11.08	11.64	14.78	13.88	12.76	11.90	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	II	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	8.31	8.69	9.14	9.71	10.04	10.44	10.91	13.30	13.30	12.76	11.90	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
	III	ULS	4.29	4.70	5.25	6.06	6.64	7.43	8.58	10.66	9.23	8.26	7.54	6.53	5.57	4.64
		SLS	7.80	8.13	8.51	8.97	9.25	9.56	9.92	11.57	11.57	11.57	11.57	10.62	9.70	8.99
		fasteners*	2	2	2	2	2	2	2	2	2	3	3	3	3	3
two-span system	I	ULS	1.88	2.03	2.23	2.52	2.73	3.08	3.39	3.46	3.46	3.46	3.46	3.38	2.78	2.38
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.69	1.81	1.95	2.14	2.26	2.42	2.63	3.13	3.13	3.13	3.13	2.95	2.57	2.33
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.47	1.55	1.65	1.76	1.83	1.91	2.00	2.44	2.44	2.44	2.44	2.25	2.07	1.94
		SLS	11.15	12.14	13.43	15.20	16.00	16.00	16.00	16.00	16.00	16.00	15.20	13.43	12.14	11.15
		fasteners*	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4
multi-span system	I	ULS	2.56	2.68	2.71	2.74	2.75	2.76	2.77	2.82	2.82	2.82	1.97	1.72	1.57	1.47
		SLS	10.64	11.55	12.71	14.30	15.25	16.00	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 2	3 2	3 3	3 3
	II	ULS	2.39	2.40	2.42	2.43	2.44	2.45	2.45	1.65	1.57	1.51	1.46	1.37	1.30	1.23
		SLS	10.64	11.55	12.70	14.10	15.03	16.00	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2
	III	ULS	1.31	1.31	1.31	1.31	1.31	1.30	1.30	1.21	1.18	1.15	1.12	1.09	1.06	1.02
		SLS	10.64	11.45	12.46	13.81	14.71	15.84	16.00	16.00	16.00	15.41	14.33	12.71	11.55	10.64
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 200 (with secondary covering (tropic)) PIR-N/PIR-F - Table 19

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]																											
			-1,2		-1		-0,8		-0,6		-0,5		-0,4		-0,3		0,3		0,4		0,5		0,6		0,8		1		1,2	
single-span system	tropic	ULS	4.29		4.70		5.25		6.06		6.64		7.43		8.58		10.66		9.23		8.26		7.54		6.53		5.57		4.64	
		SLS	8.99		9.70		10.55		11.66		12.38		13.31		14.56		15.45		13.88		12.76		11.90		10.62		9.70		8.99	
		fasteners*	2		2		2		2		2		2		2		2		2		3		3		3		3		3	
two-span system	tropic	ULS	2.56		2.98		3.63		4.71		4.71		4.72		4.71		5.84		5.54		5.27		4.41		3.38		2.78		2.38	
		SLS	11.15		12.14		13.43		15.20		16.00		16.00		16.00		16.00		16.00		16.00		15.20		13.43		12.14		11.15	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	2	4	2	4	2	4	3	4	3	4
multi-span system	tropic	ULS	3.01		3.65		4.55		4.55		4.55		4.56		4.54		6.46		5.91		5.52		5.24		3.94		3.14		2.62	
		SLS	10.64		11.55		12.71		14.33		15.41		16.00		16.00		16.00		16.00		15.41		14.33		12.71		11.55		10.64	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	2	4	3	4	3	4	3	4	3	4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 220 (without secondary covering (tropic)) PIR-N/PIR-F - Table 20

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +10°C
winter: -40°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS	4.50	4.93	5.51	6.36	6.97	7.79	9.00	11.18	9.69	8.66	7.91	6.85	5.57	4.64
		SLS	9.04	9.62	10.15	10.81	11.21	11.68	12.25	15.41	14.83	13.63	12.71	11.36	10.38	9.62
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.84	4.24	4.79	5.63	7.20	6.31	5.26	4.47	3.54	2.81	2.08	1.82	1.46	1.08
		SLS	5.62	6.20	6.98	8.13	8.49	6.30	5.76	5.33	4.83	4.37	3.89	3.66	3.28	2.74
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4.50	4.93	5.51	6.36	6.97	7.79	9.00	11.18	9.69	8.66	7.91	6.85	5.57	4.64
		SLS	8.30	8.64	9.04	9.52	9.81	10.13	10.51	12.20	12.20	12.20	12.20	11.36	10.38	9.62
		fasteners*	2	2	2	2	2	2	2	2	3	3	3	3	3	3
two-span system	I	ULS	1.75	1.87	2.02	2.22	2.35	2.52	2.75	3.44	3.44	3.44	3.44	3.02	2.64	2.37
		SLS	11.96	13.02	14.39	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	14.39	13.02	11.96
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4	3 4	3 4	3 4
	II	ULS	1.59	1.68	1.80	1.93	2.02	2.12	2.24	3.01	3.01	3.01	2.82	2.49	2.27	2.10
		SLS	11.96	13.02	14.39	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	14.39	13.02	11.96
		fasteners*	2 2	2 2	2 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 3	3 4	3 4	3 4
	III	ULS	1.40	1.47	1.54	1.63	1.69	1.74	1.81	2.07	2.07	2.07	2.07	2.02	1.89	1.79
		SLS	11.96	13.02	14.39	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	14.39	13.02	11.96
		fasteners*	2 2	2 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4
multi-span system	I	ULS	2.43	2.66	2.68	2.70	2.71	2.72	2.73	1.74	1.65	1.58	1.52	1.43	1.35	1.29
		SLS	11.41	12.37	13.61	15.24	16.00	16.00	16.00	16.00	16.00	16.00	15.32	13.61	12.37	11.41
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3
	II	ULS	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.37	1.33	1.30	1.27	1.21	1.16	1.12
		SLS	11.41	12.37	13.56	15.04	16.00	16.00	16.00	16.00	16.00	16.00	15.32	13.61	12.37	11.41
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2
	III	ULS	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.07	1.04	1.02	0.98	0.93	0.89	0.85
		SLS	11.41	12.25	13.31	14.74	15.69	16.00	16.00	16.00	16.00	16.00	15.32	13.61	12.37	11.41
		fasteners*	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 2	3 3	3 3	3 3	3 4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoCold 220 (with secondary covering (tropic)) PIR-N/PIR-F - Table 21

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +20°C
winter: -20°C

Temperature inside
summer: +10°C
winter: -15°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/100

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]																											
			-1,2		-1		-0,8		-0,6		-0,5		-0,4		-0,3		0,3		0,4		0,5		0,6		0,8		1		1,2	
single-span system	tropic	ULS	4.50		4.93		5.51		6.36		6.97		7.79		9.00		11.18		9.69		8.66		7.91		6.85		5.57		4.64	
		SLS	9.62		10.35		11.20		12.36		13.11		14.08		15.35		16.00		14.83		13.63		12.71		11.36		10.38		9.62	
		fasteners*	2		2		2		2		2		2		2		2		3		3		3		3		3		3	
two-span system	tropic	ULS	2.46		2.85		3.44		4.50		4.94		4.94		4.94		6.13		5.82		5.21		4.37		3.36		2.77		2.37	
		SLS	11.96		13.02		14.39		16.00		16.00		16.00		16.00		16.00		16.00		16.00		16.00		14.39		13.02		11.96	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	4	3	4	3	4	3	4	3	4	3	4
multi-span system	tropic	ULS	2.91		3.52		4.48		4.77		4.77		4.78		4.77		6.77		6.19		5.79		5.28		3.91		3.12		2.60	
		SLS	11.41		12.37		13.61		15.32		16.00		16.00		16.00		16.00		16.00		16.00		15.32		13.61		12.37		11.41	
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	2	4	3	4	3	4	3	4	3	4

Linear profiling of external and internal facing was adopted.
Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 40 PIR-N/PIR-F - Table 22

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	2,49	2,88	3,24	3,77	4,71	2,04	1,69	1,47	1,24	1,10	0,96	0,91	0,83	0,72
		SLS	2,78	3,04	3,37	3,76	3,76	2,94	2,78	2,63	2,41	2,25	2,07	1,99	1,84	1,62
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	2,39	2,77	3,24	3,77	4,71	2,04	1,69	1,47	1,24	1,10	0,96	0,91	0,83	0,72
		SLS	2,77	2,92	3,10	3,34	3,68	2,94	2,78	2,63	2,41	2,25	2,07	1,99	1,84	1,62
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	2,24	2,60	3,09	3,77	4,71	2,04	1,69	1,47	1,24	1,10	0,96	0,91	0,83	0,72
		SLS	2,43	2,54	2,66	2,81	3,00	2,94	2,78	2,63	2,41	2,25	2,07	1,99	1,84	1,62
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	2,10	2,37	2,78	3,44	4,66	2,63	2,25	1,98	1,68	1,47	1,21	1,11	0,95	0,74
		SLS	3,55	3,89	4,34	5,00	6,13	4,38	3,92	3,57	3,20	2,92	2,63	2,52	2,33	2,06
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,01	2,26	2,64	3,26	4,53	2,63	2,25	1,98	1,68	1,47	1,21	1,11	0,95	0,74
		SLS	3,55	3,89	4,34	5,00	6,13	4,38	3,92	3,57	3,20	2,92	2,63	2,52	2,33	2,06
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,87	2,09	2,42	2,98	4,13	2,63	2,25	1,98	1,68	1,47	1,21	1,11	0,95	0,74
		SLS	3,55	3,89	4,34	5,00	6,13	4,38	3,92	3,57	3,20	2,92	2,63	2,52	2,33	2,06
		fasteners*	2 4	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,39	2,71	3,16	3,69	4,65	2,76	2,40	2,15	1,82	1,57	1,35	1,27	1,14	0,88
		SLS	3,40	3,71	4,12	4,73	5,77	4,11	3,73	3,42	3,06	2,80	2,54	2,43	2,26	1,99
		fasteners*	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,32	2,63	3,09	3,69	4,65	2,76	2,40	2,15	1,82	1,57	1,35	1,27	1,14	0,88
		SLS	3,40	3,71	4,12	4,73	5,77	4,11	3,73	3,42	3,06	2,80	2,54	2,43	2,26	1,99
		fasteners*	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2,21	2,50	2,93	3,65	4,65	2,76	2,40	2,15	1,82	1,57	1,35	1,27	1,14	0,88
		SLS	3,40	3,71	4,12	4,65	5,28	4,11	3,73	3,42	3,06	2,80	2,54	2,43	2,26	1,99
		fasteners*	2 4	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 60 PIR-N/PIR-F - Table 23

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3.17	3.71	4.16	4.86	6.13	3.00	2.39	1.98	1.60	1.36	1.16	1.09	0.97	0.82
		SLS	3.33	3.65	4.09	4.73	4.76	3.63	3.40	3.16	2.87	2.65	2.40	2.29	2.10	1.82
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	03.06	3.61	4.16	4.86	6.13	3.00	2.39	1.98	1.60	1.36	1.16	1.09	0.97	0.82
		SLS	3.33	3.65	3.94	4.29	4.76	3.63	3.40	3.16	2.87	2.65	2.40	2.29	2.10	1.82
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	2.90	3.43	4.14	4.86	6.13	3.00	2.39	1.98	1.60	1.36	1.16	1.09	0.97	0.82
		SLS	3.03	3.19	3.37	3.61	3.91	3.63	3.40	3.16	2.87	2.65	2.40	2.29	2.10	1.82
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.86	2.27	2.69	3.38	4.84	2.99	2.55	2.25	1.94	1.73	1.48	1.35	1.15	0.90
		SLS	4.16	4.60	5.18	06.04	7.53	5.18	4.59	4.16	3.68	3.33	2.97	2.83	2.60	2.26
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.73	2.11	2.54	3.16	4.52	2.99	2.55	2.25	1.94	1.73	1.48	1.35	1.15	0.90
		SLS	4.16	4.60	5.18	06.04	7.53	5.18	4.59	4.16	3.68	3.33	2.97	2.83	2.60	2.26
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.53	1.87	2.31	2.84	4.01	2.99	2.55	2.25	1.94	1.73	1.48	1.35	1.15	0.90
		SLS	4.16	4.60	5.18	06.04	7.53	5.18	4.59	4.16	3.68	3.33	2.97	2.83	2.60	2.26
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.25	2.60	3.08	3.90	5.65	3.46	2.92	2.56	2.20	1.93	1.60	1.49	1.31	1.05
		SLS	4.02	4.42	4.96	5.75	7.11	4.94	4.42	4.02	3.57	3.23	2.90	2.76	2.54	2.21
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.18	2.50	2.96	3.74	5.43	3.46	2.92	2.56	2.20	1.93	1.60	1.49	1.31	1.05
		SLS	4.02	4.42	4.96	5.75	7.11	4.94	4.42	4.02	3.57	3.23	2.90	2.76	2.54	2.21
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2.06	2.36	2.78	3.50	5.09	3.46	2.92	2.56	2.20	1.93	1.60	1.49	1.31	1.05
		SLS	4.02	4.42	4.96	5.75	6.87	4.94	4.42	4.02	3.57	3.23	2.90	2.76	2.54	2.21
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 80 PIR-N/PIR-F - Table 24

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3.81	4.19	4.72	5.52	6.99	3.97	3.19	2.62	2.02	1.65	1.34	1.24	1.08	0.89
		SLS	3.98	4.37	4.90	5.66	5.78	4.37	4.06	3.77	3.43	3.16	2.84	2.70	2.47	2.12
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.81	4.19	4.72	5.52	6.99	3.97	3.19	2.62	2.02	1.65	1.34	1.24	1.08	0.89
		SLS	3.98	4.37	4.82	5.28	5.78	4.37	4.06	3.77	3.43	3.16	2.84	2.70	2.47	2.12
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3.81	4.19	4.72	5.52	6.99	3.97	3.19	2.62	2.02	1.65	1.34	1.24	1.08	0.89
		SLS	3.69	3.89	4.14	4.45	4.87	4.37	4.06	3.77	3.43	3.16	2.84	2.70	2.47	2.12
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.84	2.24	2.86	3.74	5.52	3.22	2.72	2.39	2.05	1.82	1.61	1.51	1.29	1.00
		SLS	4.94	5.47	6.18	7.23	9.04	6.11	5.42	4.90	4.32	3.89	3.46	3.29	3.00	2.58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.69	2.05	2.63	3.49	5.13	3.22	2.72	2.39	2.05	1.82	1.61	1.51	1.29	1.00
		SLS	4.94	5.47	6.18	7.23	9.04	6.11	5.42	4.90	4.32	3.89	3.46	3.29	3.00	2.58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.48	1.78	2.28	3.11	4.52	3.22	2.72	2.39	2.05	1.82	1.61	1.51	1.29	1.00
		SLS	4.94	5.47	6.18	7.23	9.04	6.11	5.42	4.90	4.32	3.89	3.46	3.29	3.00	2.58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.22	2.73	3.34	4.31	6.44	3.70	3.10	2.70	2.31	2.04	1.79	1.69	1.46	1.16
		SLS	4.77	5.26	5.92	6.88	8.53	5.85	5.22	4.74	4.20	3.80	3.39	3.23	2.95	2.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.13	2.63	3.20	4.12	6.18	3.70	3.10	2.70	2.31	2.04	1.79	1.69	1.46	1.16
		SLS	4.77	5.26	5.92	6.88	8.53	5.85	5.22	4.74	4.20	3.80	3.39	3.23	2.95	2.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.98	2.46	2.99	3.84	5.77	3.70	3.10	2.70	2.31	2.04	1.79	1.69	1.46	1.16
		SLS	4.77	5.26	5.92	6.88	8.51	5.85	5.22	4.74	4.20	3.80	3.39	3.23	2.95	2.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 100 PIR-N/PIR-F - Table 25

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	4.21	4.63	5.22	6.14	7.80	4.90	4.03	3.36	2.61	2.07	1.60	1.45	1.22	0.97
		SLS	4.61	5.07	5.68	6.57	6.76	5.10	4.71	4.37	3.97	3.66	3.28	3.12	2.85	2.44
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4.21	4.63	5.22	6.14	7.80	4.90	4.03	3.36	2.61	2.07	1.60	1.45	1.22	0.97
		SLS	4.61	5.07	5.68	6.26	6.76	5.10	4.71	4.37	3.97	3.66	3.28	3.12	2.85	2.44
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4.21	4.63	5.22	6.14	7.80	4.90	4.03	3.36	2.61	2.07	1.60	1.45	1.22	0.97
		SLS	4.36	4.62	4.92	5.31	5.85	5.10	4.71	4.37	3.97	3.66	3.28	3.12	2.85	2.44
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.83	2.21	2.82	3.95	6.19	3.43	2.89	2.53	2.16	1.91	1.67	1.58	1.39	1.08
		SLS	5.71	6.33	7.16	8.38	10.52	07.01	6.22	5.63	4.96	4.46	3.96	3.76	3.42	2.92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.67	2.02	2.56	3.62	5.75	3.43	2.89	2.53	2.16	1.91	1.67	1.58	1.39	1.08
		SLS	5.71	6.33	7.16	8.38	10.52	07.01	6.22	5.63	4.96	4.46	3.96	3.76	3.42	2.92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.46	1.73	2.17	03.06	5.05	3.43	2.89	2.53	2.16	1.91	1.67	1.58	1.39	1.08
		SLS	5.71	6.33	7.16	8.38	10.52	07.01	6.22	5.63	4.96	4.46	3.96	3.76	3.42	2.92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.20	2.70	3.50	4.72	7.23	3.93	3.28	2.84	2.41	2.12	1.85	1.75	1.59	1.24
		SLS	5.52	6.09	6.85	7.97	9.92	6.71	5.99	5.44	4.83	4.36	3.89	3.69	3.37	2.89
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.09	2.58	3.36	4.51	6.92	3.93	3.28	2.84	2.41	2.12	1.85	1.75	1.59	1.24
		SLS	5.52	6.09	6.85	7.97	9.92	6.71	5.99	5.44	4.83	4.36	3.89	3.69	3.37	2.89
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.91	2.38	3.15	4.18	6.45	3.93	3.28	2.84	2.41	2.12	1.85	1.75	1.59	1.24
		SLS	5.52	6.09	6.85	7.97	9.92	6.71	5.99	5.44	4.83	4.36	3.89	3.69	3.37	2.89
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 120 PIR-N/PIR-F - Table 26

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	4.58	5.05	5.70	6.70	8.55	5.74	4.80	4.09	3.26	2.62	1.98	1.75	1.42	1.07
		SLS	5.23	5.74	6.43	7.45	7.69	5.80	5.33	4.95	4.50	4.15	3.71	3.53	3.22	2.73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4.58	5.05	5.70	6.70	8.55	5.74	4.80	4.09	3.26	2.62	1.98	1.75	1.42	1.07
		SLS	5.23	5.74	6.43	7.24	7.69	5.80	5.33	4.95	4.50	4.15	3.71	3.53	3.22	2.73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4.58	5.05	5.70	6.70	8.55	5.74	4.80	4.09	3.26	2.62	1.98	1.75	1.42	1.07
		SLS	05.04	5.34	5.70	6.17	6.84	5.80	5.33	4.95	4.50	4.15	3.71	3.53	3.22	2.73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.82	2.20	2.78	3.89	6.65	3.63	3.05	2.66	2.26	1.99	1.74	1.62	1.39	1.08
		SLS	6.47	7.17	8.12	9.51	11.96	7.86	6.99	6.33	5.59	5.03	4.46	4.23	3.84	3.27
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.66	1.99	2.51	3.51	6.17	3.63	3.05	2.66	2.26	1.99	1.74	1.62	1.39	1.08
		SLS	6.47	7.17	8.12	9.51	11.96	7.86	6.99	6.33	5.59	5.03	4.46	4.23	3.84	3.27
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.44	1.66	1.96	2.66	5.32	3.63	3.05	2.66	2.26	1.99	1.74	1.62	1.39	1.08
		SLS	6.47	7.17	8.12	9.51	11.96	7.86	6.99	6.33	5.59	5.03	4.46	4.23	3.84	3.27
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.17	2.67	3.47	4.93	8.03	4.14	3.44	2.98	2.51	2.20	1.91	1.80	1.59	1.23
		SLS	6.25	6.90	7.76	9.03	11.28	7.52	6.72	6.12	5.43	4.91	4.38	4.16	3.79	3.24
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.05	2.53	3.31	4.76	7.68	4.14	3.44	2.98	2.51	2.20	1.91	1.80	1.59	1.23
		SLS	6.25	6.90	7.76	9.03	11.28	7.52	6.72	6.12	5.43	4.91	4.38	4.16	3.79	3.24
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.86	2.30	3.05	4.48	7.15	4.14	3.44	2.98	2.51	2.20	1.91	1.80	1.59	1.23
		SLS	6.25	6.90	7.76	9.03	11.28	7.52	6.72	6.12	5.43	4.91	4.38	4.16	3.79	3.24
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 140 PIR-N/PIR-F - Table 27

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3.84	4.24	4.79	5.63	7.20	6.31	5.26	4.47	3.54	2.81	2.08	1.82	1.46	1.08
		SLS	5.62	6.20	6.98	8.13	8.49	6.30	5.76	5.33	4.83	4.37	3.89	3.66	3.28	2.74
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3.84	4.24	4.79	5.63	7.20	6.31	5.26	4.47	3.54	2.81	2.08	1.82	1.46	1.08
		SLS	5.62	6.20	6.98	8.13	8.49	6.30	5.76	5.33	4.83	4.37	3.89	3.66	3.28	2.74
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3.84	4.24	4.79	5.63	7.20	6.31	5.26	4.47	3.54	2.81	2.08	1.82	1.46	1.08
		SLS	5.60	5.97	6.43	07.01	7.86	6.30	5.76	5.33	4.83	4.37	3.89	3.66	3.28	2.74
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.87	2.26	2.84	3.93	4.43	3.66	3.08	2.69	2.29	1.94	1.59	1.46	1.26	0.98
		SLS	6.87	7.66	8.73	10.31	13.13	8.35	7.39	6.66	5.84	5.23	4.57	4.31	3.88	3.28
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.72	2.06	2.58	3.55	4.43	3.66	3.08	2.69	2.29	1.94	1.59	1.46	1.26	0.98
		SLS	6.87	7.66	8.73	10.31	13.13	8.35	7.39	6.66	5.84	5.23	4.57	4.31	3.88	3.28
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.52	1.78	2.16	2.83	4.43	3.66	3.08	2.69	2.29	1.94	1.59	1.46	1.26	0.98
		SLS	6.87	7.66	8.73	10.31	13.13	8.35	7.39	6.66	5.84	5.23	4.57	4.31	3.88	3.28
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.18	2.68	3.47	4.46	4.47	3.66	3.43	2.97	2.51	2.20	1.81	1.66	1.42	1.10
		SLS	6.67	7.40	8.38	9.83	12.40	8.03	7.15	6.48	5.72	5.14	4.55	4.29	3.86	3.26
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.06	2.53	3.30	4.47	4.47	3.66	3.43	2.97	2.51	2.20	1.81	1.66	1.42	1.10
		SLS	6.67	7.40	8.38	9.83	12.40	8.03	7.15	6.48	5.72	5.14	4.55	4.29	3.86	3.26
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.87	2.30	3.02	4.43	4.47	3.66	3.43	2.97	2.51	2.20	1.81	1.66	1.42	1.10
		SLS	6.67	7.40	8.38	9.83	12.40	8.03	7.15	6.48	5.72	5.14	4.55	4.29	3.86	3.26
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 160 PIR-N/PIR-F - Table 28

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	4.10	4.52	5.11	6.03	7.74	7.03	5.93	4.95	3.91	3.23	2.55	2.22	1.72	1.19
		SLS	6.18	6.82	7.68	8.96	9.31	6.91	6.32	5.86	5.31	4.80	4.28	4.02	3.60	2.99
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4.10	4.52	5.11	6.03	7.74	7.03	5.93	4.95	3.91	3.23	2.55	2.22	1.72	1.19
		SLS	6.18	6.82	7.68	8.96	9.31	6.91	6.32	5.86	5.31	4.80	4.28	4.02	3.60	2.99
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4.10	4.52	5.11	6.03	7.74	7.03	5.93	4.95	3.91	3.23	2.55	2.22	1.72	1.19
		SLS	6.18	6.69	7.20	7.87	8.87	6.91	6.32	5.86	5.31	4.80	4.28	4.02	3.60	2.99
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1.88	2.26	2.83	3.91	4.67	3.81	3.21	2.80	2.31	1.93	1.59	1.46	1.26	0.98
		SLS	7.58	8.45	9.62	11.38	14.53	9.11	08.07	7.29	6.40	5.72	4.98	4.69	4.21	3.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1.72	2.05	2.55	3.49	4.67	3.81	3.21	2.80	2.31	1.93	1.59	1.46	1.26	0.98
		SLS	7.58	8.45	9.62	11.38	14.53	9.11	08.07	7.29	6.40	5.72	4.98	4.69	4.21	3.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.51	1.77	2.07	2.58	4.67	3.81	3.21	2.80	2.31	1.93	1.59	1.46	1.26	0.98
		SLS	7.58	8.45	9.62	11.38	14.53	9.11	08.07	7.29	6.40	5.72	4.98	4.69	4.21	3.54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2.17	2.66	3.45	4.69	4.69	3.85	3.56	3.08	2.59	2.21	1.80	1.64	1.41	1.10
		SLS	7.35	8.15	9.23	10.83	13.71	8.76	7.81	07.08	6.26	5.63	4.96	4.67	4.20	3.52
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2.04	2.50	3.26	4.69	4.69	3.85	3.56	3.08	2.59	2.21	1.80	1.64	1.41	1.10
		SLS	7.35	8.15	9.23	10.83	13.71	8.76	7.81	07.08	6.26	5.63	4.96	4.67	4.20	3.52
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1.85	2.25	2.95	4.35	4.69	3.85	3.56	3.08	2.59	2.21	1.80	1.64	1.41	1.10
		SLS	7.35	8.15	9.23	10.83	13.71	8.76	7.81	07.08	6.26	5.63	4.96	4.67	4.20	3.52
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 40 PIR-N/PIR-F - Table 29

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	1,87	2,19	2,66	3,40	4,72	1,71	1,43	1,26	1,08	0,97	0,86	0,81	0,74	0,65
		SLS	2,36	2,60	2,92	3,40	3,67	2,74	2,51	2,32	2,11	1,92	1,72	1,65	1,52	1,34
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	1,81	2,10	2,55	3,27	4,55	1,71	1,43	1,26	1,08	0,97	0,86	0,81	0,74	0,65
		SLS	2,36	2,60	2,90	3,16	3,53	2,74	2,51	2,32	2,11	1,92	1,72	1,65	1,52	1,34
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	1,71	1,98	2,39	3,06	4,29	1,71	1,43	1,26	1,08	0,97	0,86	0,81	0,74	0,65
		SLS	2,27	2,39	2,53	2,71	2,94	2,74	2,51	2,32	2,11	1,92	1,72	1,65	1,52	1,34
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,75	1,96	2,26	2,76	3,77	2,36	1,99	1,72	1,43	1,23	1,04	0,97	0,86	0,72
		SLS	2,97	3,28	3,69	4,32	5,40	3,77	3,33	3,01	2,67	2,43	2,19	2,09	1,94	1,72
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,69	1,88	2,16	2,61	3,55	2,36	1,99	1,72	1,43	1,23	1,04	0,97	0,86	0,72
		SLS	2,97	3,28	3,69	4,32	5,40	3,77	3,33	3,01	2,67	2,43	2,19	2,09	1,94	1,72
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,60	1,77	2,01	2,40	3,21	2,36	1,99	1,72	1,43	1,23	1,04	0,97	0,86	0,72
		SLS	2,97	3,28	3,69	4,32	5,40	3,77	3,33	3,01	2,67	2,43	2,19	2,09	1,94	1,72
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	1,98	2,22	2,57	3,16	4,36	2,55	2,07	1,78	1,49	1,31	1,14	1,08	0,98	0,84
		SLS	2,88	3,17	3,56	4,14	5,14	3,63	3,22	2,92	2,59	2,35	2,12	2,03	1,88	1,66
		fasteners*	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,92	2,15	2,49	3,05	4,20	2,55	2,07	1,78	1,49	1,31	1,14	1,08	0,96	0,79
		SLS	2,88	3,17	3,56	4,14	5,14	3,63	3,22	2,92	2,59	2,35	2,12	2,03	1,88	1,66
		fasteners*	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,84	2,05	2,36	2,88	3,95	1,48	1,21	1,04	0,87	0,76	0,67	0,63	0,58	0,51
		SLS	2,88	3,17	3,56	4,14	4,96	3,63	3,22	2,92	2,59	2,35	2,12	2,03	1,88	1,66
		fasteners*	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 60 PIR-N/PIR-F - Table 30

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	2,50	3,01	3,68	4,28	5,37	1,89	1,52	1,30	1,09	0,96	0,84	0,79	0,72	0,62
		SLS	2,91	3,23	3,65	4,28	4,65	3,41	3,09	2,85	2,56	2,31	2,05	1,94	1,77	1,53
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	2,40	2,90	3,59	4,28	5,37	1,89	1,52	1,30	1,09	0,96	0,84	0,79	0,72	0,62
		SLS	2,91	3,23	3,65	4,06	4,60	3,41	3,09	2,85	2,56	2,31	2,05	1,94	1,77	1,53
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	2,26	2,73	3,41	4,28	5,37	1,89	1,52	1,30	1,09	0,96	0,84	0,79	0,72	0,62
		SLS	2,83	3,00	3,19	3,45	3,79	3,41	3,09	2,85	2,56	2,31	2,05	1,94	1,77	1,53
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,86	2,10	2,46	3,06	4,32	2,53	2,17	1,88	1,54	1,33	1,15	1,08	0,97	0,78
		SLS	3,59	3,99	4,55	5,37	6,79	4,60	4,03	3,62	3,17	2,84	2,53	2,41	2,21	1,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,79	2,01	2,33	2,88	4,04	2,53	2,17	1,88	1,54	1,33	1,15	1,08	0,97	0,78
		SLS	3,59	3,99	4,55	5,37	6,79	4,60	4,03	3,62	3,17	2,84	2,53	2,41	2,21	1,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,69	1,88	2,16	2,62	3,61	2,53	2,17	1,89	1,54	1,33	1,15	1,08	0,97	0,78
		SLS	3,59	3,99	4,55	5,37	6,79	4,60	4,03	3,62	3,17	2,84	2,53	2,41	2,21	1,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,08	2,36	2,77	3,48	4,99	2,85	2,26	1,87	1,52	1,30	1,12	1,05	0,95	0,81
		SLS	3,50	3,88	4,40	5,17	6,48	4,45	3,92	3,53	3,10	2,79	2,48	2,36	2,16	1,88
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,02	2,28	2,67	3,34	4,79	2,87	2,27	1,87	1,52	1,30	1,12	1,05	0,95	0,81
		SLS	3,50	3,88	4,40	5,17	6,48	4,45	3,92	3,53	3,10	2,79	2,48	2,36	2,16	1,88
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,92	2,16	2,52	3,14	4,48	2,89	2,27	1,87	1,52	1,30	1,12	1,05	0,95	0,81
		SLS	3,50	3,88	4,40	5,17	6,48	4,45	3,92	3,53	3,10	2,79	2,48	2,36	2,16	1,88
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 80 PIR-N/PIR-F - Table 31

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	3,33	3,70	4,16	4,86	6,13	2,49	1,89	1,54	1,23	1,05	0,90	0,85	0,76	0,65
		SLS	3,48	3,87	4,39	5,15	5,64	4,08	3,69	3,39	3,04	2,73	2,40	2,27	2,06	1,75
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3,23	3,70	4,16	4,86	6,13	2,49	1,89	1,54	1,23	1,05	0,90	0,85	0,76	0,65
		SLS	3,48	3,87	4,39	5,01	5,64	4,08	3,69	3,39	3,04	2,73	2,40	2,27	2,06	1,75
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3,08	3,70	4,16	4,86	6,13	2,49	1,89	1,54	1,23	1,05	0,90	0,85	0,76	0,65
		SLS	3,43	3,65	3,91	4,26	4,72	4,08	3,69	3,39	3,04	2,73	2,40	2,27	2,06	1,75
		fasteners*	2	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,94	2,35	2,96	3,99	6,03	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,82	2,18	2,74	3,72	5,59	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,64	1,95	2,43	3,32	4,92	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,24	2,73	3,42	4,49	6,95	3,36	2,81	2,45	2,09	1,82	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,14	2,62	3,27	4,28	6,64	3,36	2,81	2,45	2,09	1,84	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,99	2,44	3,04	3,97	6,16	3,36	2,81	2,45	2,09	1,84	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 100 PIR-N/PIR-F - Table 32

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	3,72	4,09	4,61	5,40	6,83	3,25	2,44	1,89	1,43	1,18	0,98	0,91	0,81	0,68
		SLS	4,06	4,51	5,11	5,99	6,59	4,73	4,29	3,94	3,52	3,15	2,77	2,62	2,36	1,99
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	3,72	4,09	4,61	5,40	6,83	3,25	2,44	1,89	1,43	1,18	0,98	0,91	0,81	0,68
		SLS	4,06	4,51	5,11	5,96	6,59	4,73	4,29	3,94	3,52	3,15	2,77	2,62	2,36	1,99
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	3,72	4,09	4,61	5,40	6,83	3,25	2,44	1,89	1,43	1,18	0,98	0,91	0,81	0,68
		SLS	4,06	4,33	4,66	5,09	5,68	4,73	4,29	3,94	3,52	3,15	2,77	2,62	2,36	1,99
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,94	2,35	2,87	3,68	5,46	2,85	2,42	2,13	1,83	1,61	1,32	1,22	1,08	0,90
		SLS	4,91	5,50	6,30	7,49	9,56	6,22	5,44	4,87	4,23	3,76	3,30	3,12	2,82	2,40
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,82	2,19	2,71	3,44	5,07	2,85	2,42	2,13	1,83	1,61	1,32	1,22	1,08	0,90
		SLS	4,91	5,50	6,30	7,49	9,56	6,22	5,44	4,87	4,23	3,76	3,30	3,12	2,82	2,40
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,65	1,97	2,47	3,10	4,48	2,85	2,42	2,13	1,83	1,61	1,32	1,22	1,08	0,90
		SLS	4,91	5,50	6,30	7,49	9,56	6,22	5,44	4,87	4,23	3,76	3,30	3,12	2,82	2,40
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,25	2,66	3,20	4,15	6,29	3,21	2,70	2,36	1,98	1,62	1,32	1,21	1,06	0,87
		SLS	4,81	5,36	6,11	7,20	9,09	6,03	5,31	4,77	4,16	3,71	3,27	3,09	2,80	2,37
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,16	2,56	3,07	3,97	6,01	3,21	2,70	2,36	2,00	1,63	1,32	1,21	1,06	0,87
		SLS	4,81	5,36	6,11	7,20	9,09	6,03	5,31	4,77	4,16	3,71	3,27	3,09	2,80	2,37
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	2,03	2,41	2,87	3,69	5,59	3,21	2,70	2,36	2,02	1,63	1,32	1,21	1,06	0,87
		SLS	4,81	5,36	6,11	7,20	9,09	6,03	5,31	4,77	4,16	3,71	3,27	3,09	2,80	2,37
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 120 PIR-N/PIR-F - Table 33

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	4,04	4,45	5,02	5,90	7,50	4,02	3,09	2,40	1,72	1,35	1,08	0,99	0,86	0,71
		SLS	4,62	5,13	5,82	6,81	7,49	5,37	4,86	4,47	3,99	3,57	3,14	2,97	2,67	2,24
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4,04	4,45	5,02	5,90	7,50	4,01	3,09	2,40	1,72	1,35	1,08	0,99	0,86	0,71
		SLS	4,62	5,13	5,82	6,81	7,49	5,37	4,86	4,47	3,99	3,57	3,14	2,97	2,67	2,24
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4,04	4,45	5,02	5,90	7,50	4,01	3,09	2,40	1,72	1,35	1,08	0,99	0,86	0,71
		SLS	4,62	5,01	5,42	5,93	6,65	5,37	4,86	4,47	3,99	3,57	3,14	2,97	2,67	2,24
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,94	2,35	2,96	3,99	6,03	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,82	2,18	2,74	3,72	5,59	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,64	1,95	2,43	3,32	4,92	3,00	2,54	2,23	1,91	1,69	1,45	1,32	1,15	0,94
		SLS	5,57	6,25	7,17	8,53	10,91	7,00	6,12	5,48	4,76	4,23	3,70	3,49	3,15	2,66
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,24	2,73	3,42	4,49	6,95	3,36	2,81	2,45	2,09	1,82	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,14	2,62	3,27	4,28	6,64	3,36	2,81	2,45	2,09	1,84	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,99	2,44	3,04	3,97	6,16	3,36	2,81	2,45	2,09	1,84	1,46	1,32	1,14	0,92
		SLS	5,46	6,09	6,94	8,19	10,37	6,78	5,97	5,37	4,69	4,18	3,67	3,47	3,13	2,64
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 140 PIR-N/PIR-F - Table 34

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	4,35	4,80	5,42	6,37	8,13	3,44	2,52	1,87	1,34	1,08	0,88	0,82	0,72	0,60
		SLS	5,17	5,74	6,50	7,62	8,34	5,97	5,42	4,99	4,44	3,98	3,51	3,31	2,97	2,47
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4,35	4,80	5,42	6,37	8,13	3,44	2,52	1,87	1,34	1,08	0,88	0,82	0,72	0,60
		SLS	5,17	5,74	6,50	7,62	8,34	5,97	5,42	4,99	4,44	3,98	3,51	3,31	2,97	2,47
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4,35	4,80	5,42	6,37	8,13	3,44	2,52	1,87	1,34	1,08	0,88	0,82	0,72	0,60
		SLS	5,17	5,70	6,17	6,77	7,64	5,97	5,42	4,99	4,44	3,98	3,51	3,31	2,97	2,47
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,95	2,35	2,96	4,06	6,61	3,14	2,65	2,32	1,85	1,46	1,18	1,09	0,95	0,79
		SLS	6,23	6,99	8,02	9,55	12,25	7,74	6,79	6,07	5,28	4,69	4,10	3,87	3,48	2,93
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,82	2,18	2,73	3,74	6,12	3,14	2,65	2,32	1,88	1,46	1,18	1,09	0,95	0,79
		SLS	6,23	6,99	8,02	9,55	12,25	7,74	6,79	6,07	5,28	4,69	4,10	3,87	3,48	2,93
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,64	1,94	2,40	3,24	5,38	3,14	2,65	2,32	1,88	1,46	1,18	1,09	0,95	0,79
		SLS	6,23	6,99	8,02	9,55	12,25	7,74	6,79	6,07	5,28	4,69	4,10	3,87	3,48	2,93
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,23	2,72	3,51	4,83	7,62	3,50	2,92	2,38	1,77	1,43	1,16	1,07	0,93	0,76
		SLS	6,10	6,81	7,76	9,16	11,62	7,49	6,61	5,95	5,20	4,64	4,08	3,85	3,47	2,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,12	2,60	3,36	4,60	7,28	3,50	2,92	2,38	1,79	1,45	1,18	1,08	0,94	0,77
		SLS	6,10	6,81	7,76	9,16	11,62	7,49	6,61	5,95	5,20	4,64	4,08	3,85	3,47	2,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,97	2,40	3,13	4,26	6,74	3,50	2,92	2,38	1,82	1,49	1,18	1,08	0,94	0,77
		SLS	6,10	6,81	7,76	9,16	11,62	7,49	6,61	5,95	5,20	4,64	4,08	3,85	3,47	2,92
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

IzoRoof 160 PIR-N/PIR-F - Table 35

Maximum allowable span length [m]
for evenly distributed characteristic load [kN/m²]

Outer facing thickness 0,40 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 40 [mm]

Min. width of the internal support 60 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS – Serviceability Limit State L/200

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1,0	-0,8	-0,6	-0,4	0,6	0,8	1,0	1,3	1,6	2,0	2,2	2,6	3,4
single-span system	I	ULS	4,64	5,12	5,79	6,82	8,73	4,04	3,08	2,32	1,58	1,20	0,95	0,87	0,76	0,62
		SLS	5,71	6,33	7,17	8,40	9,14	6,55	5,95	5,49	4,88	4,38	3,87	3,65	3,25	2,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
	II	ULS	4,64	5,12	5,79	6,82	8,73	4,04	3,08	2,32	1,58	1,21	0,95	0,87	0,76	0,62
		SLS	5,71	6,33	7,17	8,40	9,14	6,55	5,95	5,49	4,88	4,38	3,87	3,65	3,25	2,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
	III	ULS	4,64	5,12	5,79	6,82	8,73	4,04	3,08	2,32	1,58	1,21	0,95	0,87	0,76	0,62
		SLS	5,71	6,33	6,91	7,60	8,62	6,55	5,95	5,49	4,88	4,38	3,87	3,65	3,25	2,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
two-span system	I	ULS	1,96	2,35	2,95	4,05	6,76	3,27	2,76	2,41	2,05	1,63	1,26	1,15	1,00	0,82
		SLS	6,89	7,72	8,87	10,56	13,57	8,45	7,42	6,66	5,79	5,15	4,50	4,25	3,81	3,20
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	1,82	2,18	2,72	3,70	6,26	3,27	2,76	2,41	2,05	1,64	1,26	1,15	1,00	0,82
		SLS	6,89	7,72	8,87	10,56	13,57	8,45	7,42	6,66	5,79	5,15	4,50	4,25	3,81	3,20
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,64	1,93	2,38	3,18	5,39	3,27	2,76	2,41	2,05	1,63	1,26	1,15	1,00	0,82
		SLS	6,89	7,72	8,87	10,56	13,57	8,45	7,42	6,66	5,79	5,15	4,50	4,25	3,81	3,20
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
multi-span system	I	ULS	2,22	2,71	3,50	4,95	8,32	3,63	3,03	2,63	1,99	1,56	1,24	1,13	0,98	0,79
		SLS	6,73	7,51	8,56	10,11	12,86	8,18	7,23	6,52	5,71	5,10	4,47	4,22	3,80	3,18
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	II	ULS	2,11	2,58	3,34	4,76	7,94	3,63	3,03	2,63	2,00	1,59	1,26	1,15	0,99	0,80
		SLS	6,73	7,51	8,56	10,11	12,86	8,18	7,23	6,52	5,71	5,10	4,47	4,22	3,80	3,18
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
	III	ULS	1,94	2,37	3,08	4,46	7,35	3,63	3,03	2,63	2,02	1,62	1,28	1,16	0,99	0,80
		SLS	6,73	7,51	8,56	10,11	12,86	8,18	7,23	6,52	5,71	5,10	4,47	4,22	3,80	3,18
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2

Manufacturer is not responsible for, and expressly disclaims all liability in case of non-conformity with the above mentioned permitted spans.

EPS

IzoWall - Table 36

Maximum loads of IzoWall EPS wall panels used as single-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	*Maximum loads daN/m², at the span length [m]*													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
50	*load capacity*	126	97	77	62	51	-	-	-	-	-	-	-	-	-
	stiffness	71	55	43	34	26	-	-	-	-	-	-	-	-	-
60	*load capacity*	152	116	92	75	62	52	44	38	-	-	-	-	-	-
	stiffness	94	74	59	48	68	31	26	21	-	-	-	-	-	-
75	*load capacity*	-	147	116	94	77	65	56	48	42	37	32	-	-	-
	stiffness	-	105	86	70	58	48	40	34	28	24	20	-	-	-
100	*load capacity*	-	-	190	154	127	107	91	78	68	60	53	47	43	38
	stiffness	-	-	132	112	95	81	70	61	53	46	40	35	31	27
125	*load capacity*	-	-	238	193	159	134	114	98	86	75	67	59	53	48
	stiffness	-	-	178	152	131	114	99	87	76	67	60	53	47	42
150	*load capacity*	-	-	-	232	192	161	137	118	103	91	80	72	64	58
	stiffness	-	-	-	194	168	147	130	114	101	90	80	72	64	58

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoWall - Table 37

Maximum loads of IzoWall EPS wall panels used as multi-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	*Maximum loads daN/m², at the span length [m]*													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
50	*load capacity*	175	121	-	-	-	-	-	-	-	-	-	-	-	-
	stiffness	82	68	-	-	-	-	-	-	-	-	-	-	-	-
60	*load capacity*	214	167	111	-	-	-	-	-	-	-	-	-	-	-
	stiffness	104	86	73	-	-	-	-	-	-	-	-	-	-	-
75	*load capacity*	-	236	164	114	-	-	-	-	-	-	-	-	-	-
	stiffness	-	115	98	84	-	-	-	-	-	-	-	-	-	-
100	*load capacity*	-	-	289	204	143	105	-	-	-	-	-	-	-	-
	stiffness	-	-	139	121	106	95	-	-	-	-	-	-	-	-
125	*load capacity*	-	-	368	311	218	158	-	-	-	-	-	-	-	-
	stiffness	-	-	181	159	141	125	-	-	-	-	-	-	-	-
150	*load capacity*	-	-	-	398	307	221	-	-	-	-	-	-	-	-
	stiffness	-	-	-	198	175	157	-	-	-	-	-	-	-	-

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing. Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoWall - Table 38

Maximum loads of IzoWall EPS wall panels used as single-span elements - load towards the support

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
50	*load capacity*	126	97	77	62	51	-	-	-	-	-	-	-	-	-
	stiffness	70	56	43	34	26	-	-	-	-	-	-	-	-	-
60	*load capacity*	152	116	92	75	62	52	44	38	-	-	-	-	-	-
	stiffness	91	73	60	48	38	31	26	21	-	-	-	-	-	-
75	*load capacity*	-	147	116	94	77	65	56	48	42	37	32	-	-	-
	stiffness	-	100	83	70	58	48	40	34	28	24	20	-	-	-
100	*load capacity*	-	-	190	154	127	107	91	78	68	60	53	47	43	38
	stiffness	-	-	118	102	88	77	67	60	53	46	40	35	31	27
125	*load capacity*	-	-	238	193	159	134	114	98	86	75	67	59	53	48
	stiffness	-	-	155	135	118	105	92	82	73	65	59	53	47	42
150	*load capacity*	-	-	-	232	192	161	137	118	103	91	80	72	64	58
	stiffness	-	-	-	168	148	131	118	105	94	85	76	70	63	57

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoWall - Table 39

Maximum loads of IzoWall EPS wall panels used as multi-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
50	*load capacity*	175	121	-	-	-	-	-	-	-	-	-	-	-	-
	stiffness	73	61	-	-	-	-	-	-	-	-	-	-	-	-
60	*load capacity*	214	167	111	-	-	-	-	-	-	-	-	-	-	-
	stiffness	91	77	65	-	-	-	-	-	-	-	-	-	-	-
75	*load capacity*	-	236	164	114	-	-	-	-	-	-	-	-	-	-
	stiffness	-	100	86	75	-	-	-	-	-	-	-	-	-	-
100	*load capacity*	-	-	289	204	143	105	-	-	-	-	-	-	-	-
	stiffness	-	-	126	110	98	88	-	-	-	-	-	-	-	-
125	*load capacity*	-	-	368	311	218	158	118	-	-	-	-	-	-	-
	stiffness	-	-	163	143	127	114	103	-	-	-	-	-	-	-
150	*load capacity*	-	-	-	398	307	221	164	125	-	-	-	-	-	-
	stiffness	-	-	-	176	157	141	127	116	-	-	-	-	-	-

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoRoof - Table 40

Maximum loads of IzoRoof EPS roof panels used as single-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
60	*load capacity*	193	147	117	95	78	66	56	-	-	-	-	-	-	-
	stiffness	130	105	86	71	60	49	42	-	-	-	-	-	-	-
75	*load capacity*	242	186	147	119	98	83	70	61	-	-	-	-	-	-
	stiffness	174	143	118	99	84	71	61	52	-	-	-	-	-	-
100	*load capacity*	-	204	162	131	108	91	77	66	58	51	-	-	-	-
	stiffness	-	173	147	126	109	95	83	73	64	57	-	-	-	-
125	*load capacity*	-	256	202	164	135	114	97	83	73	64	57	50	-	-
	stiffness	-	226	194	168	146	128	113	100	89	79	71	64	-	-
150	*load capacity*	-	-	243	197	163	137	116	100	88	77	68	61	54	49
	stiffness	-	-	241	210	184	162	144	128	115	103	93	84	76	69
200	*load capacity*	-	-	-	264	218	183	156	134	117	103	91	82	73	66
	stiffness	-	-	-	294	260	232	207	186	168	152	138	126	115	105
250	*load capacity*	-	-	-	-	273	230	196	168	147	129	114	102	92	82
	stiffness	-	-	-	-	337	302	272	246	223	203	186	170	156	143

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoRoof - Table 41

Maximum loads of IzoRoof EPS roof panels used as multi-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
60	*load capacity*	186	161	138	101	-	-	-	-	-	-	-	-	-	-
	stiffness	143	121	103	88	-	-	-	-	-	-	-	-	-	-
75	*load capacity*	238	205	179	140	106	-	-	-	-	-	-	-	-	-
	stiffness	186	158	135	117	103	-	-	-	-	-	-	-	-	-
100	*load capacity*	-	-	168	150	112	86	69	-	-	-	-	-	-	-
	stiffness	-	-	149	131	116	104	92	-	-	-	-	-	-	-
125	*load capacity*	-	-	213	190	158	120	95	76	63	-	-	-	-	-
	stiffness	-	-	193	170	150	135	122	110	100	-	-	-	-	-
150	*load capacity*	-	-	-	230	207	160	125	100	82	68	-	-	-	-
	stiffness	-	-	-	209	186	166	150	137	124	114	-	-	-	-
200	*load capacity*	-	-	-	-	-	254	196	155	125	103	86	73	63	-
	stiffness	-	-	-	-	-	232	210	191	175	161	148	138	127	-
250	*load capacity*	-	-	-	-	-	324	281	221	178	145	120	102	86	75
	stiffness	-	-	-	-	-	297	271	247	227	209	193	180	167	156

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoRoof - Table 42

Maximum loads of IzoRoof EPS roof panels used as single-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
60	*load capacity*	193	147	117	95	78	66	56	-	-	-	-	-	-	-
	stiffness	130	100	84	71	60	49	42	-	-	-	-	-	-	-
75	*load capacity*	242	186	147	119	98	83	70	61	-	-	-	-	-	-
	stiffness	156	131	110	94	81	71	61	52	-	-	-	-	-	-
100	*load capacity*	-	204	162	131	108	91	77	66	58	51	-	-	-	-
	stiffness	-	150	130	113	100	88	78	70	62	56	-	-	-	-
125	*load capacity*	-	256	202	164	135	114	97	83	73	64	57	50	-	-
	stiffness	-	190	166	146	129	115	103	92	83	75	71	62	-	-
150	*load capacity*	-	-	243	197	163	137	116	100	88	77	68	61	54	49
	stiffness	-	-	202	178	159	142	128	115	105	95	93	79	72	67
200	*load capacity*	-	-	-	264	218	183	156	134	117	103	91	82	73	66
	stiffness	-	-	-	240	216	195	176	160	146	134	138	113	105	97
250	*load capacity*	-	-	-	-	273	230	196	168	147	129	114	102	92	82
	stiffness	-	-	-	-	271	246	224	205	188	173	186	148	137	127

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

IzoRoof - Table 43

Maximum loads of IzoRoof EPS roof panels used as multi-span elements - load towards the support.

CORE THICKNESS [MM]	LOADS DUE TO:	Maximum loads daN/m², at the span length [m]													
		2,1	2,4	2,7	3	3,3	3,6	3,9	4,2	4,5	4,8	5,1	5,4	5,7	6
60	*load capacity*	186	161	138	101	-	-	-	-	-	-	-	-	-	-
	stiffness	123	104	90	78	-	-	-	-	-	-	-	-	-	-
75	*load capacity*	238	205	179	140	106	-	-	-	-	-	-	-	-	-
	stiffness	156	134	116	101	90	-	-	-	-	-	-	-	-	-
100	*load capacity*	-	-	168	150	112	86	69	-	-	-	-	-	-	-
	stiffness	-	-	135	119	106	95	85	-	-	-	-	-	-	-
125	*load capacity*	-	-	213	190	158	120	95	76	63	-	-	-	-	-
	stiffness	-	-	172	153	136	122	111	101	92	-	-	-	-	-
150	*load capacity*	-	-	-	230	207	160	125	100	82	68	-	-	-	-
	stiffness	-	-	-	186	167	149	136	124	113	104	-	-	-	-
200	*load capacity*	-	-	-	-	-	254	196	155	125	103	86	73	63	-
	stiffness	-	-	-	-	-	205	187	171	157	145	134	125	116	-
250	*load capacity*	-	-	-	-	-	324	281	221	178	145	120	102	86	75
	stiffness	-	-	-	-	-	260	238	218	201	186	172	161	150	141

Facing thickness 0.5/0.4 mm.
Izopanel panels have a load capacity reserve due to the standard use of 0.5/0.5 mm thick facing for their manufacturing Load capacity tables have been developed for panels in very light and light colours, loaded towards the support (linear support of the panel). When using a different facing thickness, separate calculations should be made or the values given in the table should be used.

MWF

IzoWall 60 - Table 44

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,41	2,7	3,02	3,49	3,82	4,27	4,93	5,88	5,09	4,56	4,16	3,6	2,89	2,41
		fasteners*		2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	4,08	4,4	4,81	5,37	5,73	6,17	6,76	6,38	5,91	5,51	5,19	4,71	4,36	4,08
			L/150	3,43	3,71	4,03	4,45	4,74	5,09	5,56	4,87	4,61	4,39	4,21	3,85	3,55	3,32
			L/200	2,97	3,19	3,47	3,85	4,09	4,32	4,61	3,93	3,74	3,59	3,45	3,23	3,03	2,83
	II	ULS		2,41	2,7	3,02	3,49	3,82	4,27	4,93	5,88	5,09	4,56	4,16	3,6	2,89	2,41
		fasteners*		2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	4,08	4,36	4,71	5,19	5,51	5,91	6,38	6,38	5,91	5,51	5,19	4,71	4,36	4,08
			L/150	3,32	3,55	3,85	4,21	4,39	4,61	4,87	4,87	4,61	4,39	4,21	3,85	3,55	3,32
			L/200	2,83	3,03	3,23	3,45	3,59	3,74	3,93	3,93	3,74	3,59	3,45	3,23	3,03	2,83
	III	ULS		2,41	2,7	3,02	3,49	3,82	4,27	4,93	5,88	5,09	4,56	4,16	3,6	2,89	2,41
		fasteners*		2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	3,9	4,16	4,48	4,79	4,98	5,21	5,49	6,38	5,91	5,51	5,19	4,71	4,36	4,08
			L/150	3,09	3,23	3,4	3,6	3,72	3,86	4,02	4,81	4,61	4,39	4,21	3,85	3,55	3,32
			L/200	2,41	2,7	3,02	3,49	3,82	4,27	4,93	5,88	5,09	4,56	4,16	3,6	2,89	2,41
two-span system	I	ULS		1,7	2,02	2,46	2,69	2,84	3,04	3,31	2,78	2,66	2,57	2,49	2,35	1,87	1,58
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	5,11	5,55	6,12	6,91	7,44	8,13	9,08	9,08	8,13	7,44	6,91	6,12	5,55	5,11
			L/150	4,2	4,6	5,11	5,81	6,29	6,91	7,76	7,76	6,91	6,29	5,81	5,11	4,6	4,2
			L/200	3,61	3,98	4,45	5,11	5,55	6,12	6,91	6,89	6,12	5,55	5,11	4,45	3,98	3,61
	II	ULS		1,58	1,87	2,35	2,69	2,84	3,04	3,31	2,78	2,66	2,57	2,49	2,35	1,87	1,58
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	5,11	5,55	6,12	6,91	7,44	8,13	9,08	9,08	8,13	7,44	6,91	6,12	5,55	5,11
			L/150	4,2	4,6	5,11	5,81	6,29	6,91	7,76	7,76	6,91	6,29	5,81	5,11	4,6	4,2
			L/200	3,61	3,98	4,45	5,11	5,55	6,12	6,89	6,89	6,12	5,55	5,11	4,45	3,98	3,61
	III	ULS		1,39	1,64	2,06	2,17	2,21	2,25	2,3	2,51	2,51	2,51	2,49	2,35	1,87	1,58
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	5,11	5,55	6,12	6,91	7,44	8,13	9,08	9,08	8,13	7,44	6,91	6,12	5,55	5,11
			L/150	4,2	4,6	5,11	5,81	6,29	6,86	7,61	7,76	6,91	6,29	5,81	5,11	4,6	4,2
			L/200	3,61	3,98	4,44	5,02	5,41	5,9	6,56	6,89	6,12	5,55	5,11	4,45	3,98	3,61
multi-span system	I	ULS		1,65	2,02	2,58	2,9	3,13	3,45	3,9	3,46	3,15	2,94	2,77	2,4	1,84	1,49
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	4,86	5,26	5,78	6,49	6,97	7,6	8,47	8,47	7,6	6,97	6,49	5,78	5,26	4,86
			L/150	4,03	4,39	4,86	5,5	5,93	6,49	7,26	7,15	6,47	5,93	5,5	4,86	4,39	4,03
			L/200	3,5	3,83	4,26	4,86	5,26	5,78	6,47	6,21	5,62	5,18	4,83	4,26	3,83	3,5
	II	ULS		1,49	1,84	2,4	2,9	3,13	3,45	3,9	3,46	3,15	2,94	2,77	2,4	1,84	1,49
		fasteners*		2 | 3	2 | 3	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	4,86	5,26	5,78	6,49	6,97	7,6	8,47	8,47	7,6	6,97	6,49	5,78	5,26	4,86
			L/150	4,03	4,39	4,86	5,5	5,93	6,47	7,15	7,15	6,47	5,93	5,5	4,86	4,39	4,03
			L/200	3,5	3,83	4,26	4,83	5,18	5,62	6,21	6,21	5,62	5,18	4,83	4,26	3,83	3,5
	III	ULS		0,92	1,18	2,06	2,25	2,33	2,42	2,54	3,46	3,15	2,94	2,77	2,4	1,84	1,49
		fasteners*		2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 |
		SLS	L/100	4,86	5,26	5,78	6,49	6,97	7,52	8,27	8,47	7,6	6,97	6,49	5,78	5,26	4,86
			L/150	4,03	4,39	4,81	5,36	5,72	6,18	6,79	7,15	6,47	5,93	5,5	4,86	4,39	4,03
			L/200	3,46	3,74	4,1	4,59	4,9	5,25	5,62	6,21	5,62	5,18	4,83	4,26	3,83	3,5

IzoWall 80 - Table 45

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,12	3,49	4,03	4,42	4,94	5,7	6,8	5,89	5,27	4,81	4,16	3,33	2,77
		fasteners*		3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	5,01	5,39	5,88	6,56	7,03	7,6	8,34	7,99	7,32	6,82	6,42	5,84	5,39	5,01
			L/150	4,23	4,57	4,99	5,52	5,87	6,32	6,92	6,23	5,87	5,58	5,28	4,79	4,43	4,15
			L/200	3,72	3,99	4,33	4,79	5,1	5,48	5,87	5,08	4,82	4,6	4,42	4,12	3,8	3,55
	II	ULS		2,77	3,12	3,49	4,03	4,42	4,94	5,7	6,8	5,89	5,27	4,81	4,16	3,33	2,77
		fasteners*		3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	5,01	5,39	5,84	6,42	6,82	7,32	7,99	7,99	7,32	6,82	6,42	5,84	5,39	5,01
			L/150	4,15	4,43	4,79	5,28	5,58	5,87	6,23	6,23	5,87	5,58	5,28	4,79	4,43	4,15
			L/200	3,55	3,8	4,12	4,42	4,6	4,82	5,08	5,08	4,82	4,6	4,42	4,12	3,8	3,55
	III	ULS		2,77	3,12	3,49	4,03	4,42	4,94	5,7	6,8	5,89	5,27	4,81	4,16	3,33	2,77
		fasteners*		3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	4,86	5,17	5,57	6,08	6,34	6,65	7,03	7,99	7,32	6,82	6,42	5,84	5,39	5,01
			L/150	3,92	4,13	4,35	4,63	4,8	4,99	5,22	6,23	5,87	5,58	5,28	4,79	4,43	4,15
			L/200	2,77	3,12	3,49	4,03	4,42	4,94	5,7	6,8	5,89	5,27	4,81	4,16	3,33	2,77
two-span system	I	ULS		1,83	2,17	2,71	3,11	3,29	3,51	3,82	3,21	3,07	2,96	2,87	2,71	2,16	1,81
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	6,31	6,84	7,52	8,47	9,11	9,94	11,09	11,09	9,94	9,11	8,47	7,52	6,84	6,31
			L/150	5,22	5,69	6,31	7,16	7,73	8,47	9,49	9,49	8,47	7,73	7,16	6,31	5,69	5,22
			L/200	4,51	4,95	5,52	6,31	6,84	7,52	8,47	8,47	7,52	6,84	6,31	5,52	4,95	4,51
	II	ULS		1,68	1,99	2,49	3,11	3,29	3,51	3,82	3,21	3,07	2,96	2,87	2,71	2,16	1,81
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	6,31	6,84	7,52	8,47	9,11	9,94	11,09	11,09	9,94	9,11	8,47	7,52	6,84	6,31
			L/150	5,22	5,69	6,31	7,16	7,73	8,47	9,49	9,49	8,47	7,73	7,16	6,31	5,69	5,22
			L/200	4,51	4,95	5,52	6,31	6,84	7,52	8,47	8,47	7,52	6,84	6,31	5,52	4,95	4,51
	III	ULS		1,47	1,72	2,15	2,51	2,55	2,6	2,66	2,9	2,9	2,9	2,87	2,71	2,16	1,81
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	6,31	6,84	7,52	8,47	9,11	9,94	11,09	11,09	9,94	9,11	8,47	7,52	6,84	6,31
			L/150	5,22	5,69	6,31	7,16	7,73	8,47	9,43	9,49	8,47	7,73	7,16	6,31	5,69	5,22
			L/200	4,51	4,95	5,52	6,29	6,77	7,37	8,18	8,47	7,52	6,84	6,31	5,52	4,95	4,51
multi-span system	I	ULS		2,17	2,62	2,98	3,35	3,62	3,98	4,51	4	3,64	3,39	3,21	2,94	2,65	2,15
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	5,98	6,46	7,08	7,94	8,53	9,28	10,33	10,33	9,28	8,53	7,94	7,08	6,46	5,98
			L/150	4,99	5,43	5,98	6,75	7,27	7,94	8,88	8,83	7,94	7,27	6,75	5,98	5,43	4,99
			L/200	4,35	4,75	5,27	5,98	6,46	7,08	7,94	7,71	6,98	6,44	5,98	5,27	4,75	4,35
	II	ULS		2,08	2,53	2,98	3,35	3,62	3,98	4,51	4	3,64	3,39	3,21	2,94	2,65	2,15
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	5,98	6,46	7,08	7,94	8,53	9,28	10,33	10,33	9,28	8,53	7,94	7,08	6,46	5,98
			L/150	4,99	5,43	5,98	6,75	7,27	7,94	8,83	8,83	7,94	7,27	6,75	5,98	5,43	4,99
			L/200	4,35	4,75	5,27	5,98	6,44	6,98	7,71	7,71	6,98	6,44	5,98	5,27	4,75	4,35
	III	ULS		1,86	2,35	2,46	2,6	2,69	2,79	2,93	4	3,64	3,39	3,21	2,94	2,65	2,1
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	5,98	6,46	7,08	7,94	8,53	9,28	10,21	10,33	9,28	8,53	7,94	7,08	6,46	5,98
			L/150	4,99	5,43	5,98	6,67	7,11	7,68	8,45	8,83	7,94	7,27	6,75	5,98	5,43	4,99
			L/200	4,35	4,71	5,15	5,74	6,14	6,63	7,18	7,71	6,98	6,44	5,98	5,27	4,75	4,35

IzoWall 100 - Table 46

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	3,91	4,51	4,94	5,53	6,38	7,61	6,59	5,89	5,38	4,16	3,33	2,77
		fasteners*		3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	5,86	6,3	6,87	7,66	8,2	8,89	9,79	9,42	8,62	8,03	7,57	6,87	6,3	5,86
			L/150	4,96	5,35	5,86	6,51	6,92	7,45	8,16	7,51	7,05	6,63	6,25	5,67	5,25	4,91
			L/200	4,38	4,72	5,13	5,67	6,03	6,49	7,05	6,17	5,83	5,56	5,33	4,89	4,52	4,23
	II	ULS		2,77	3,33	3,91	4,51	4,94	5,53	6,38	7,61	6,59	5,89	5,38	4,16	3,33	2,77
		fasteners*		3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	5,86	6,3	6,87	7,57	8,03	8,62	9,42	9,42	8,62	8,03	7,57	6,87	6,3	5,86
			L/150	4,91	5,25	5,67	6,25	6,63	7,05	7,51	7,51	7,05	6,63	6,25	5,67	5,25	4,91
			L/200	4,23	4,52	4,89	5,33	5,56	5,83	6,17	6,17	5,83	5,56	5,33	4,89	4,52	4,23
	III	ULS		2,77	3,33	3,91	4,51	4,94	5,53	6,38	7,61	6,59	5,89	5,38	4,16	3,33	2,77
		fasteners*		3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	5,75	6,12	6,58	7,22	7,61	8	8,48	9,42	8,62	8,03	7,57	6,87	6,3	5,86
			L/150	4,67	4,97	5,26	5,61	5,82	6,07	6,37	7,51	7,05	6,63	6,25	5,67	5,25	4,91
			L/200	2,77	3,33	3,91	4,51	4,94	5,53	6,38	7,61	6,59	5,89	5,38	4,16	3,33	2,77
two-span system	I	ULS		1,79	2,12	2,63	3,48	3,68	3,93	4,27	3,59	3,44	3,32	3,22	2,59	2,08	1,76
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	7,42	8,03	8,82	9,91	10,65	11,61	12,94	12,94	11,61	10,65	9,91	8,82	8,03	7,42
			L/150	6,16	6,71	7,42	8,4	9,06	9,91	11,1	11,1	9,91	9,06	8,4	7,42	6,71	6,16
			L/200	5,35	5,86	6,52	7,42	8,03	8,82	9,91	9,91	8,82	8,03	7,42	6,52	5,86	5,35
	II	ULS		1,64	1,92	2,38	3,22	3,68	3,93	4,27	3,59	3,44	3,32	3,22	2,59	2,08	1,76
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 3	2 | 3
		SLS	L/100	7,42	8,03	8,82	9,91	10,65	11,61	12,94	12,94	11,61	10,65	9,91	8,82	8,03	7,42
			L/150	6,16	6,71	7,42	8,4	9,06	9,91	11,1	11,1	9,91	9,06	8,4	7,42	6,71	6,16
			L/200	5,35	5,86	6,52	7,42	8,03	8,82	9,91	9,91	8,82	8,03	7,42	6,52	5,86	5,35
	III	ULS		1,34	1,5	1,74	2,37	2,86	2,91	2,98	3,25	3,25	3,25	3,22	2,59	2,08	1,76
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	7,42	8,03	8,82	9,91	10,65	11,61	12,94	12,94	11,61	10,65	9,91	8,82	8,03	7,42
			L/150	6,16	6,71	7,42	8,4	9,06	9,91	11,1	11,1	9,91	9,06	8,4	7,42	6,71	6,16
			L/200	5,35	5,86	6,52	7,42	8,03	8,74	9,69	9,91	8,82	8,03	7,42	6,52	5,86	5,35
multi-span system	I	ULS		2,12	2,57	3,26	3,75	4,05	4,46	5,05	4,47	4,07	3,79	3,59	3,28	2,65	2,18
		fasteners*		3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	7,02	7,58	8,29	9,28	9,96	10,83	12,05	12,05	10,83	9,96	9,28	8,29	7,58	7,02
			L/150	5,88	6,38	7,02	7,91	8,51	9,28	10,36	10,36	9,28	8,51	7,91	7,02	6,38	5,88
			L/200	5,14	5,61	6,2	7,02	7,58	8,29	9,28	9,11	8,25	7,58	7,02	6,2	5,61	5,14
	II	ULS		2,02	2,45	3,14	3,75	4,05	4,46	5,05	4,47	4,07	3,79	3,59	3,28	2,65	2,18
		fasteners*		3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	7,02	7,58	8,29	9,28	9,96	10,83	12,05	12,05	10,83	9,96	9,28	8,29	7,58	7,02
			L/150	5,88	6,38	7,02	7,91	8,51	9,28	10,36	10,36	9,28	8,51	7,91	7,02	6,38	5,88
			L/200	5,14	5,61	6,2	7,02	7,58	8,25	9,11	9,11	8,25	7,58	7,02	6,2	5,61	5,14
	III	ULS		1,84	2,26	2,75	2,91	3,01	3,12	3,28	4,47	4,07	3,79	3,59	1,26	1,03	0,93
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	7,02	7,58	8,29	9,28	9,96	10,83	12,01	12,05	10,83	9,96	9,28	8,29	7,58	7,02
			L/150	5,88	6,38	7,02	7,88	8,4	9,07	9,98	10,36	9,28	8,51	7,91	7,02	6,38	5,88
			L/200	5,14	5,6	6,12	6,82	7,28	7,87	8,65	9,11	8,25	7,58	7,02	6,2	5,61	5,14

IzoWall 120 - Table 47

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	4,94	5,42	6,06	6,99	8,34	7,22	6,46	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	6,66	7,15	7,8	8,69	9,29	10,08	11,16	10,77	9,85	9,17	8,64	7,8	7,15	6,66
			L/150	5,65	6,09	6,66	7,44	7,91	8,52	9,33	8,73	8,15	7,59	7,16	6,5	6,02	5,64
			L/200	5	5,41	5,88	6,5	6,92	7,44	8,15	7,21	6,8	6,48	6,2	5,63	5,2	4,87
	II	ULS		2,77	3,33	4,16	4,94	5,42	6,06	6,99	8,34	7,22	6,46	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	6,66	7,15	7,8	8,64	9,17	9,85	10,77	10,77	9,85	9,17	8,64	7,8	7,15	6,66
			L/150	5,64	6,02	6,5	7,16	7,59	8,15	8,73	8,73	8,15	7,59	7,16	6,5	6,02	5,64
			L/200	4,87	5,2	5,63	6,2	6,48	6,8	7,21	7,21	6,8	6,48	6,2	5,63	5,2	4,87
	III	ULS		2,77	3,33	4,16	4,94	5,42	6,06	6,99	8,34	7,22	6,46	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	6,58	7	7,54	8,27	8,75	9,28	9,87	10,77	9,85	9,17	8,64	7,8	7,15	6,66
			L/150	5,37	5,72	6,13	6,54	6,8	7,1	7,47	8,73	8,15	7,59	7,16	6,5	6,02	5,64
			L/200	2,77	3,33	4,16	4,94	5,42	6,06	6,99	8,34	7,22	6,46	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,77	2,08	2,56	3,43	4,03	4,31	4,68	3,93	3,76	3,63	3,37	2,49	2,02	1,73
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8,46	9,15	10,04	11,26	12,1	13,17	14,68	14,68	13,17	12,1	11,26	10,04	9,15	8,46
			L/150	7,05	7,67	8,46	9,56	10,3	11,26	12,6	12,6	11,26	10,3	9,56	8,46	7,67	7,05
			L/200	6,14	6,71	7,45	8,46	9,15	10,04	11,26	11,26	10,04	9,15	8,46	7,45	6,71	6,14
	II	ULS		1,61	1,87	2,29	3,07	3,76	4,31	4,68	3,93	3,76	3,63	3,37	2,49	2,02	1,73
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 2	2 | 2	2 | 2	2 | 2	2 | 3	2 | 3	2 | 3
		SLS	L/100	8,46	9,15	10,04	11,26	12,1	13,17	14,68	14,68	13,17	12,1	11,26	10,04	9,15	8,46
			L/150	7,05	7,67	8,46	9,56	10,3	11,26	12,6	12,6	11,26	10,3	9,56	8,46	7,67	7,05
			L/200	6,14	6,71	7,45	8,46	9,15	10,04	11,26	11,26	10,04	9,15	8,46	7,45	6,71	6,14
	III	ULS		1,27	1,38	1,55	1,83	2,12	3,19	3,26	3,56	3,56	3,56	3,37	2,2	1,75	1,54
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 4	2 | 4	2 | 3
		SLS	L/100	8,46	9,15	10,04	11,26	12,1	13,17	14,68	14,68	13,17	12,1	11,26	10,04	9,15	8,46
			L/150	7,05	7,67	8,46	9,56	10,3	11,26	12,6	12,6	11,26	10,3	9,56	8,46	7,67	7,05
			L/200	6,14	6,71	7,45	8,46	9,15	10,02	11,11	11,26	10,04	9,15	8,46	7,45	6,71	6,14
multi-span system	I	ULS		2,06	2,52	3,2	4,11	4,44	4,88	5,53	4,9	4,46	4,16	3,93	3,3	2,58	2,12
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8	8,62	9,42	10,54	11,3	12,28	13,65	13,65	12,28	11,3	10,54	9,42	8,62	8
			L/150	6,72	7,28	8	8,99	9,67	10,54	11,76	11,76	10,54	9,67	8,99	8	7,28	6,72
			L/200	5,89	6,41	7,07	8	8,62	9,42	10,54	10,42	9,42	8,62	8	7,07	6,41	5,89
	II	ULS		1,96	2,39	3,05	4,11	4,44	4,88	5,53	4,9	4,46	4,16	3,93	3,3	2,58	2,06
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8	8,62	9,42	10,54	11,3	12,28	13,65	13,65	12,28	11,3	10,54	9,42	8,62	8
			L/150	6,72	7,28	8	8,99	9,67	10,54	11,76	11,76	10,54	9,67	8,99	8	7,28	6,72
			L/200	5,89	6,41	7,07	8	8,62	9,42	10,42	10,42	9,42	8,62	8	7,07	6,41	5,89
	III	ULS		1,76	2,16	2,81	3,19	3,29	3,42	3,59	4,9	1,25	1,12	1,04	0,94	0,88	0,83
		fasteners*		3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8	8,62	9,42	10,54	11,3	12,28	13,65	13,65	12,28	11,3	10,54	9,42	8,62	8
			L/150	6,72	7,28	8	8,99	9,62	10,38	11,42	11,76	10,54	9,67	8,99	8	7,28	6,72
			L/200	5,89	6,41	7,04	7,84	8,36	9,03	9,93	10,42	9,42	8,62	8	7,07	6,41	5,89

IzoWall 140 - Table 48

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	5,34	5,85	6,54	7,56	9,01	7,8	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,42	7,97	8,67	9,66	10,33	11,2	12,41	12,04	11,01	10,25	9,66	8,67	7,97	7,42
			L/150	6,3	6,79	7,42	8,29	8,85	9,53	10,45	9,9	9,14	8,52	8,03	7,29	6,75	6,3
			L/200	5,58	6,03	6,6	7,29	7,75	8,34	9,14	8,22	7,74	7,36	6,97	6,33	5,85	5,48
	II	ULS		2,77	3,33	4,16	5,34	5,85	6,54	7,56	9,01	7,8	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,42	7,97	8,67	9,66	10,25	11,01	12,04	12,04	11,01	10,25	9,66	8,67	7,97	7,42
			L/150	6,3	6,75	7,29	8,03	8,52	9,14	9,9	9,9	9,14	8,52	8,03	7,29	6,75	6,3
			L/200	5,48	5,85	6,33	6,97	7,36	7,74	8,22	8,22	7,74	7,36	6,97	6,33	5,85	5,48
	III	ULS		2,77	3,33	4,16	5,34	5,85	6,54	7,56	9,01	7,8	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,37	7,85	8,45	9,27	9,81	10,5	11,2	12,04	11,01	10,25	9,66	8,67	7,97	7,42
			L/150	6,05	6,44	6,93	7,44	7,74	8,1	8,54	9,9	9,14	8,52	8,03	7,29	6,75	6,3
			L/200	2,77	3,33	4,16	5,34	5,85	6,54	7,56	9,01	7,8	6,66	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,75	2,05	2,51	3,33	4,05	4,65	5,06	4,25	4,07	3,92	3,22	2,41	1,98	1,7
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,46	10,21	11,19	12,55	13,46	14,66	16	16	14,66	13,46	12,55	11,19	10,21	9,46
			L/150	7,9	8,58	9,46	10,67	11,49	12,55	14,02	14,02	12,55	11,49	10,67	9,46	8,58	7,9
			L/200	6,89	7,52	8,34	9,46	10,21	11,19	12,55	12,55	11,19	10,21	9,46	8,34	7,52	6,89
	II	ULS		1,58	1,83	2,22	2,93	3,58	4,65	5,06	4,25	4,07	3,92	3,22	2,41	1,98	1,7
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 2	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	9,46	10,21	11,19	12,55	13,46	14,66	16	16	14,66	13,46	12,55	11,19	10,21	9,46
			L/150	7,9	8,58	9,46	10,67	11,49	12,55	14,02	14,02	12,55	11,49	10,67	9,46	8,58	7,9
			L/200	6,89	7,52	8,34	9,46	10,21	11,19	12,55	12,55	11,19	10,21	9,46	8,34	7,52	6,89
	III	ULS		1,22	1,32	1,45	1,64	1,78	2,01	3,52	3,84	3,84	3,84	2,28	1,79	1,57	1,43
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 4	2 | 4	2 | 4	2 | 4
		SLS	L/100	9,46	10,21	11,19	12,55	13,46	14,66	16	16	14,66	13,46	12,55	11,19	10,21	9,46
			L/150	7,9	8,58	9,46	10,67	11,49	12,55	14,02	14,02	12,55	11,49	10,67	9,46	8,58	7,9
			L/200	6,89	7,52	8,34	9,46	10,21	11,19	12,46	12,55	11,19	10,21	9,46	8,34	7,52	6,89
multi-span system	I	ULS		1,43	2,39	3,15	4,3	4,8	5,28	5,98	5,3	4,82	4,49	4,25	3,23	2,52	2,07
		fasteners*		3 | 3	3 | 4	3 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8,92	9,61	10,5	11,73	12,57	13,66	15,17	15,17	13,66	12,57	11,73	10,5	9,61	8,92
			L/150	7,51	8,13	8,92	10,02	10,77	11,73	13,07	13,07	11,73	10,77	10,02	8,92	8,13	7,51
			L/200	6,6	7,17	7,9	8,92	9,61	10,5	11,73	11,67	10,5	9,61	8,92	7,9	7,17	6,6
	II	ULS		1,43	2,32	2,97	4,12	4,8	5,28	5,98	5,3	4,82	4,49	4,25	3,23	2,39	1,43
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8,92	9,61	10,5	11,73	12,57	13,66	15,17	15,17	13,66	12,57	11,73	10,5	9,61	8,92
			L/150	7,51	8,13	8,92	10,02	10,77	11,73	13,07	13,07	11,73	10,77	10,02	8,92	8,13	7,51
			L/200	6,6	7,17	7,9	8,92	9,61	10,5	11,67	11,67	10,5	9,61	8,92	7,9	7,17	6,6
	III	ULS		1,43	2,07	2,68	3,44	3,56	3,7	3,88	1,04	0,99	0,95	0,91	0,86	0,81	0,78
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	8,92	9,61	10,5	11,73	12,57	13,66	15,17	15,17	13,66	12,57	11,73	10,5	9,61	8,92
			L/150	7,51	8,13	8,92	10,02	10,77	11,63	12,79	13,07	11,73	10,77	10,02	8,92	8,13	7,51
			L/200	6,6	7,17	7,9	8,8	9,39	10,14	11,15	11,67	10,5	9,61	8,92	7,9	7,17	6,6

IzoWall 150 - Table 49

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	4,83	5,29	5,91	6,83	8,27	7,16	6,41	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,71	8,28	9,03	10,06	10,77	11,68	12,96	12,62	11,52	10,72	10,06	9,03	8,28	7,71
			L/150	6,53	7,04	7,71	8,63	9,25	9,96	10,93	10,43	9,56	8,9	8,39	7,6	7,03	6,53
			L/200	5,77	6,24	6,86	7,6	8,09	8,72	9,56	8,67	8,15	7,72	7,27	6,59	6,09	5,69
	II	ULS		2,77	3,33	4,16	4,83	5,29	5,91	6,83	8,27	7,16	6,41	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,71	8,28	9,03	10,06	10,72	11,52	12,62	12,62	11,52	10,72	10,06	9,03	8,28	7,71
			L/150	6,53	7,03	7,6	8,39	8,9	9,56	10,43	10,43	9,56	8,9	8,39	7,6	7,03	6,53
			L/200	5,69	6,09	6,59	7,27	7,72	8,15	8,67	8,67	8,15	7,72	7,27	6,59	6,09	5,69
	III	ULS		2,77	3,33	4,16	4,83	5,29	5,91	6,83	8,27	7,16	6,41	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	7,69	8,19	8,83	9,69	10,27	11	11,81	12,62	11,52	10,72	10,06	9,03	8,28	7,71
			L/150	6,29	6,71	7,23	7,83	8,16	8,54	9,02	10,43	9,56	8,9	8,39	7,6	7,03	6,53
			L/200	2,77	3,33	4,16	4,83	5,29	5,91	6,83	8,27	7,16	6,41	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,79	2,09	2,54	3,17	3,28	3,37	3,37	3,15	3,1	3,05	3	2,46	2,02	1,75
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,77	10,57	11,6	13,03	14	15,26	16	16	15,26	14	13,03	11,6	10,57	9,77
			L/150	8,13	8,84	9,77	11,05	11,91	13,03	14,58	14,58	13,03	11,91	11,05	9,77	8,84	8,13
			L/200	7,06	7,73	8,59	9,77	10,57	11,6	13,03	13,03	11,6	10,57	9,77	8,59	7,73	7,06
	II	ULS		1,63	1,88	2,26	2,96	3,28	3,37	3,37	3,15	3,1	3,05	3	2,46	2,02	1,75
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	9,77	10,57	11,6	13,03	14	15,26	16	16	15,26	14	13,03	11,6	10,57	9,77
			L/150	8,13	8,84	9,77	11,05	11,91	13,03	14,58	14,58	13,03	11,91	11,05	9,77	8,84	8,13
			L/200	7,06	7,73	8,59	9,77	10,57	11,6	13,03	13,03	11,6	10,57	9,77	8,59	7,73	7,06
	III	ULS		1,31	1,42	1,57	1,79	1,95	2,21	2,67	2,75	2,75	2,75	2,45	1,94	1,69	1,53
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3
		SLS	L/100	9,77	10,57	11,6	13,03	14	15,26	16	16	15,26	14	13,03	11,6	10,57	9,77
			L/150	8,13	8,84	9,77	11,05	11,91	13,03	14,58	14,58	13,03	11,91	11,05	9,77	8,84	8,13
			L/200	7,06	7,73	8,59	9,77	10,57	11,6	12,98	13,03	11,6	10,57	9,77	8,59	7,73	7,06
multi-span system	I	ULS		1,5	2,01	2,83	3,06	3,2	3,28	3,28	2,95	2,87	2,81	2,76	2,66	2,51	2,07
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,24	9,96	10,9	12,2	13,09	14,23	15,82	15,82	14,23	13,09	12,2	10,9	9,96	9,24
			L/150	7,75	8,4	9,24	10,4	11,19	12,2	13,62	13,62	12,2	11,19	10,4	9,24	8,4	7,75
			L/200	6,78	7,39	8,17	9,24	9,96	10,9	12,2	12,18	10,9	9,96	9,24	8,17	7,39	6,78
	II	ULS		1,5	2,01	2,83	3,06	3,2	3,28	3,28	2,95	2,87	2,81	2,76	2,66	2,01	1,5
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,24	9,96	10,9	12,2	13,09	14,23	15,82	15,82	14,23	13,09	12,2	10,9	9,96	9,24
			L/150	7,75	8,4	9,24	10,4	11,19	12,2	13,62	13,62	12,2	11,19	10,4	9,24	8,4	7,75
			L/200	6,78	7,39	8,17	9,24	9,96	10,9	12,18	12,18	10,9	9,96	9,24	8,17	7,39	6,78
	III	ULS		1,5	2,01	2,19	2,22	2,24	2,26	2,28	1,19	1,12	1,07	1,03	0,96	0,9	0,85
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,24	9,96	10,9	12,2	13,09	14,23	15,82	15,82	14,23	13,09	12,2	10,9	9,96	9,24
			L/150	7,75	8,4	9,24	10,4	11,19	12,13	13,36	13,62	12,2	11,19	10,4	9,24	8,4	7,75
			L/200	6,78	7,39	8,17	9,15	9,78	10,57	11,65	12,18	10,9	9,96	9,24	8,17	7,39	6,78

IzoWall 160 - Table 50

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	4,99	5,46	6,11	7,05	8,54	7,4	6,62	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	8,06	8,66	9,44	10,52	11,25	12,21	13,54	13,22	12,07	11,23	10,52	9,44	8,66	8,06
			L/150	6,84	7,37	8,06	9,02	9,67	10,44	11,46	10,96	10,03	9,34	8,8	7,98	7,37	6,84
			L/200	6,04	6,54	7,18	7,98	8,49	9,14	10,03	9,15	8,6	8,11	7,64	6,92	6,39	5,97
	II	ULS		2,77	3,33	4,16	4,99	5,46	6,11	7,05	8,54	7,4	6,62	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	8,06	8,66	9,44	10,52	11,23	12,07	13,22	13,22	12,07	11,23	10,52	9,44	8,66	8,06
			L/150	6,84	7,37	7,98	8,8	9,34	10,03	10,96	10,96	10,03	9,34	8,8	7,98	7,37	6,84
			L/200	5,97	6,39	6,92	7,64	8,11	8,6	9,15	9,15	8,6	8,11	7,64	6,92	6,39	5,97
	III	ULS		2,77	3,33	4,16	4,99	5,46	6,11	7,05	8,54	7,4	6,62	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	8,06	8,59	9,26	10,17	10,77	11,54	12,45	13,22	12,07	11,23	10,52	9,44	8,66	8,06
			L/150	6,61	7,04	7,6	8,26	8,61	9,02	9,54	10,96	10,03	9,34	8,8	7,98	7,37	6,84
			L/200	2,77	3,33	4,16	4,99	5,46	6,11	7,05	8,54	7,4	6,62	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,78	2,08	2,52	3,27	3,39	3,48	3,48	3,25	3,2	3,15	3,1	2,43	2,01	1,74
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	10,24	11,07	12,15	13,63	14,64	15,95	16	16	15,95	14,64	13,63	12,15	11,07	10,24
			L/150	8,52	9,27	10,24	11,57	12,47	13,63	15,25	15,25	13,63	12,47	11,57	10,24	9,27	8,52
			L/200	7,41	8,11	9	10,24	11,07	12,15	13,63	13,63	12,15	11,07	10,24	9	8,11	7,41
	II	ULS		1,62	1,87	2,24	2,91	3,39	3,48	3,48	3,25	3,2	3,15	3,1	2,43	2,01	1,74
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	10,24	11,07	12,15	13,63	14,64	15,95	16	16	15,95	14,64	13,63	12,15	11,07	10,24
			L/150	8,52	9,27	10,24	11,57	12,47	13,63	15,25	15,25	13,63	12,47	11,57	10,24	9,27	8,52
			L/200	7,41	8,11	9	10,24	11,07	12,15	13,63	13,63	12,15	11,07	10,24	9	8,11	7,41
	III	ULS		1,3	1,4	1,54	1,73	1,87	2,07	2,45	2,84	2,84	2,65	2,21	1,85	1,64	1,5
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3
		SLS	L/100	10,24	11,07	12,15	13,63	14,64	15,95	16	16	15,95	14,64	13,63	12,15	11,07	10,24
			L/150	8,52	9,27	10,24	11,57	12,47	13,63	15,25	15,25	13,63	12,47	11,57	10,24	9,27	8,52
			L/200	7,41	8,11	9	10,24	11,07	12,15	13,61	13,63	12,15	11,07	10,24	9	8,11	7,41
multi-span system	I	ULS		1,4	1,68	2,92	3,16	3,31	3,38	3,38	3,04	2,97	2,9	2,85	2,75	2,49	2,06
		fasteners*		3 | 3	3 | 3	3 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,67	10,43	11,41	12,76	13,68	14,88	16	16	14,88	13,68	12,76	11,41	10,43	9,67
			L/150	8,12	8,8	9,67	10,88	11,7	12,76	14,24	14,24	12,76	11,7	10,88	9,67	8,8	8,12
			L/200	7,12	7,74	8,56	9,67	10,43	11,41	12,76	12,76	11,41	10,43	9,67	8,56	7,74	7,12
	II	ULS		1,4	1,68	2,92	3,16	3,31	3,38	3,38	3,04	2,97	2,9	2,85	2,75	1,68	1,4
		fasteners*		3 | 4	3 | 4	3 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,67	10,43	11,41	12,76	13,68	14,88	16	16	14,88	13,68	12,76	11,41	10,43	9,67
			L/150	8,12	8,8	9,67	10,88	11,7	12,76	14,24	14,24	12,76	11,7	10,88	9,67	8,8	8,12
			L/200	7,12	7,74	8,56	9,67	10,43	11,41	12,76	12,76	11,41	10,43	9,67	8,56	7,74	7,12
	III	ULS		1,4	1,47	1,47	1,47	1,47	1,47	1,47	1,12	1,07	1,02	0,99	0,93	0,88	0,84
		fasteners*		3 | 4	3 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	9,67	10,43	11,41	12,76	13,68	14,88	16	16	14,88	13,68	12,76	11,41	10,43	9,67
			L/150	8,12	8,8	9,67	10,88	11,7	12,72	14,01	14,24	12,76	11,7	10,88	9,67	8,8	8,12
			L/200	7,12	7,74	8,56	9,61	10,26	11,1	12,22	12,76	11,41	10,43	9,67	8,56	7,74	7,12

IzoWall 175 - Table 51

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

| a | b |

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	5,22	5,71	6,39	7,38	8,94	7,74	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	8,59	9,22	10,04	11,19	11,97	12,98	14,39	14,11	12,88	11,97	11,19	10,04	9,22	8,59
			L/150	7,29	7,85	8,59	9,6	10,29	11,14	12,23	11,72	10,72	9,98	9,4	8,52	7,85	7,29
			L/200	6,45	6,97	7,65	8,52	9,07	9,77	10,72	9,86	9,25	8,68	8,17	7,41	6,84	6,39
	II	ULS		2,77	3,33	4,16	5,22	5,71	6,39	7,38	8,94	7,74	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	8,59	9,22	10,04	11,19	11,97	12,88	14,11	14,11	12,88	11,97	11,19	10,04	9,22	8,59
			L/150	7,29	7,85	8,52	9,4	9,98	10,72	11,72	11,72	10,72	9,98	9,4	8,52	7,85	7,29
			L/200	6,39	6,84	7,41	8,17	8,68	9,25	9,86	9,86	9,25	8,68	8,17	7,41	6,84	6,39
	III	ULS		2,77	3,33	4,16	5,22	5,71	6,39	7,38	8,94	7,74	6,66	5,55	4,16	3,33	2,77
		fasteners*		3 |	3 |	3 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |	2 |
		SLS	L/100	8,59	9,17	9,89	10,86	11,5	12,32	13,38	14,11	12,88	11,97	11,19	10,04	9,22	8,59
			L/150	7,07	7,54	8,13	8,89	9,27	9,73	10,29	11,72	10,72	9,98	9,4	8,52	7,85	7,29
			L/200	2,77	3,33	4,16	5,22	5,71	6,39	7,38	8,94	7,74	6,66	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,77	2,06	2,49	3,26	3,54	3,64	3,64	3,4	3,34	3,29	3,11	2,39	1,99	1,72
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	10,92	11,8	12,94	14,52	15,59	16	16	16	16	15,59	14,52	12,94	11,8	10,92
			L/150	9,11	9,9	10,92	12,33	13,28	14,52	16	16	14,52	13,28	12,33	10,92	9,9	9,11
			L/200	7,93	8,66	9,61	10,92	11,8	12,94	14,52	14,52	12,94	11,8	10,92	9,61	8,66	7,93
	II	ULS		1,61	1,85	2,19	2,77	3,4	3,64	3,64	3,4	3,34	3,29	3,11	2,39	1,99	1,72
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3
		SLS	L/100	10,92	11,8	12,94	14,52	15,59	16	16	16	16	15,59	14,52	12,94	11,8	10,92
			L/150	9,11	9,9	10,92	12,33	13,28	14,52	16	16	14,52	13,28	12,33	10,92	9,9	9,11
			L/200	7,93	8,66	9,61	10,92	11,8	12,94	14,52	14,52	12,94	11,8	10,92	9,61	8,66	7,93
	III	ULS		1,28	1,37	1,5	1,66	1,78	1,93	2,16	2,97	2,71	2,24	2,02	1,76	1,59	1,46
		fasteners*		2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 4	2 | 3
		SLS	L/100	10,92	11,8	12,94	14,52	15,59	16	16	16	16	15,59	14,52	12,94	11,8	10,92
			L/150	9,11	9,9	10,92	12,33	13,28	14,52	16	16	14,52	13,28	12,33	10,92	9,9	9,11
			L/200	7,93	8,66	9,61	10,92	11,8	12,94	14,52	14,52	12,94	11,8	10,92	9,61	8,66	7,93
multi-span system	I	ULS		1,3	1,47	1,89	3,3	3,46	3,54	3,54	3,18	3,11	3,04	2,98	2,88	2,45	2,03
		fasteners*		3 | 3	3 | 3	3 | 3	2 | 4	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	10,31	11,11	12,15	13,58	14,56	15,82	16	16	15,82	14,56	13,58	12,15	11,11	10,31
			L/150	8,67	9,38	10,31	11,59	12,46	13,58	15,14	15,14	13,58	12,46	11,59	10,31	9,38	8,67
			L/200	7,6	8,27	9,13	10,31	11,11	12,15	13,58	13,58	12,15	11,11	10,31	9,13	8,27	7,6
	II	ULS		1,3	1,47	1,89	3,3	3,46	3,54	3,54	3,18	3,11	3,04	2,98	1,89	1,47	1,3
		fasteners*		3 | 3	3 | 3	3 | 3	2 | 4	2 | 4	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	10,31	11,11	12,15	13,58	14,56	15,82	16	16	15,82	14,56	13,58	12,15	11,11	10,31
			L/150	8,67	9,38	10,31	11,59	12,46	13,58	15,14	15,14	13,58	12,46	11,59	10,31	9,38	8,67
			L/200	7,6	8,27	9,13	10,31	11,11	12,15	13,58	13,58	12,15	11,11	10,31	9,13	8,27	7,6
	III	ULS		1,22	1,22	1,22	1,22	1,22	1,22	1,22	1,05	1,01	0,98	0,95	0,9	0,85	0,82
		fasteners*		3 | 4	2 | 4	2 | 3	2 | 3	2 | 3	2 | 3	2 | 3	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2	2 | 2
		SLS	L/100	10,31	11,11	12,15	13,58	14,56	15,82	16	16	15,82	14,56	13,58	12,15	11,11	10,31
			L/150	8,67	9,38	10,31	11,59	12,46	13,58	14,96	15,14	13,58	12,46	11,59	10,31	9,38	8,67
			L/200	7,6	8,27	9,13	10,28	10,98	11,87	13,07	13,58	12,15	11,11	10,31	9,13	8,27	7,6

IzoWall 200 - Table 52

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,5	-0,4	-0,3	0,3	0,4	0,5	0,6	0,8	1	1,2
single-span system	I	ULS		2,77	3,33	4,16	5,55	6,11	6,83	7,89	9,55	8,27	6,66	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	3	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	9,43	10,12	11,01	12,26	13,11	14,22	15,76	15,53	14,18	13,11	12,26	11,01	10,12	9,43
			L/150	8,01	8,63	9,43	10,53	11,29	12,26	13,47	12,93	11,83	11,01	10,37	9,4	8,63	8,01
			L/200	7,1	7,67	8,4	9,4	10,01	10,78	11,83	11,01	10,3	9,59	9,04	8,19	7,57	7,07
	II	ULS		2,77	3,33	4,16	5,55	6,11	6,83	7,89	9,55	8,27	6,66	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	3	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	9,43	10,12	11,01	12,26	13,11	14,18	15,53	15,53	14,18	13,11	12,26	11,01	10,12	9,43
			L/150	8,01	8,63	9,4	10,37	11,01	11,83	12,93	12,93	11,83	11,01	10,37	9,4	8,63	8,01
			L/200	7,07	7,57	8,19	9,04	9,59	10,3	11,01	11,01	10,3	9,59	9,04	8,19	7,57	7,07
	III	ULS		2,77	3,33	4,16	5,55	6,11	6,83	7,89	9,55	8,27	6,66	5,55	4,16	3,33	2,77
		fasteners*		3	3	3	3	2	2	2	2	2	2	2	2	2	2
		SLS	L/100	9,43	10,11	10,9	11,97	12,69	13,6	14,83	15,53	14,18	13,11	12,26	11,01	10,12	9,43
			L/150	7,82	8,34	8,99	9,87	10,35	10,87	11,52	12,93	11,83	11,01	10,37	9,4	8,63	8,01
			L/200	2,77	3,33	4,16	5,55	6,11	6,83	7,89	9,55	8,27	6,66	5,55	4,16	3,33	2,77
two-span system	I	ULS		1,76	2,04	2,46	3,18	3,79	3,89	3,89	3,64	3,58	3,52	2,91	2,31	1,96	1,71
		fasteners*		2 4	3 4	3 4	2 4	2 4	2 4	2 3	2 2	2 2	2 2	2 3	2 2	2 2	2 2
		SLS	L/100	12,01	12,97	14,22	15,93	16	16	16	16	16	16	15,93	14,22	12,97	12,01
			L/150	10,04	10,9	12,01	13,55	14,59	15,93	16	16	15,93	14,59	13,55	12,01	10,9	10,04
			L/200	8,76	9,56	10,59	12,01	12,97	14,22	15,93	15,93	14,22	12,97	12,01	10,59	9,56	8,76
	II	ULS		1,59	1,82	2,08	2,5	2,91	3,89	3,89	3,64	3,58	3,52	2,91	2,31	1,96	1,71
		fasteners*		2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 3	2 3	2 3	2 3	2 3	2 3	2 3
		SLS	L/100	12,01	12,97	14,22	15,93	16	16	16	16	16	16	15,93	14,22	12,97	12,01
			L/150	10,04	10,9	12,01	13,55	14,59	15,93	16	16	15,93	14,59	13,55	12,01	10,9	10,04
			L/200	8,76	9,56	10,59	12,01	12,97	14,22	15,93	15,93	14,22	12,97	12,01	10,59	9,56	8,76
	III	ULS		1,25	1,34	1,45	1,59	1,68	1,79	1,94	2,49	2,17	1,99	1,86	1,66	1,52	1,41
		fasteners*		2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 4	2 3
		SLS	L/100	12,01	12,97	14,22	15,93	16	16	16	16	16	16	15,93	14,22	12,97	12,01
			L/150	10,04	10,9	12,01	13,55	14,59	15,93	16	16	15,93	14,59	13,55	12,01	10,9	10,04
			L/200	8,76	9,56	10,59	12,01	12,97	14,22	15,93	15,93	14,22	12,97	12,01	10,59	9,56	8,76
multi-span system	I	ULS		1,2	1,31	1,49	1,92	3,7	3,78	3,78	3,4	3,32	3,25	3,18	3,04	2,39	1,98
		fasteners*		3 3	3 3	3 3	3 3	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/100	11,33	12,21	13,33	14,9	15,96	16	16	16	16	15,96	14,9	13,33	12,21	11,33
			L/150	9,54	10,33	11,33	12,73	13,67	14,9	16	16	14,9	13,67	12,73	11,33	10,33	9,54
			L/200	8,39	9,11	10,04	11,33	12,21	13,33	14,9	14,9	13,33	12,21	11,33	10,04	9,11	8,39
	II	ULS		1,2	1,31	1,49	1,92	3,7	3,78	3,78	3,4	3,32	3,25	1,92	1,49	1,31	1,2
		fasteners*		3 3	3 3	3 3	3 3	2 4	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/100	11,33	12,21	13,33	14,9	15,96	16	16	16	16	15,96	14,9	13,33	12,21	11,33
			L/150	9,54	10,33	11,33	12,73	13,67	14,9	16	16	14,9	13,67	12,73	11,33	10,33	9,54
			L/200	8,39	9,11	10,04	11,33	12,21	13,33	14,9	14,9	13,33	12,21	11,33	10,04	9,11	8,39
	III	ULS		1,09	1,09	1,09	1,09	1,09	1,09	1,09	0,98	0,95	0,93	0,9	0,86	0,82	0,79
		fasteners*		3 4	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/100	11,33	12,21	13,33	14,9	15,96	16	16	16	16	15,96	14,9	13,33	12,21	11,33
			L/150	9,54	10,33	11,33	12,73	13,67	14,9	16	16	14,9	13,67	12,73	11,33	10,33	9,54
			L/200	8,39	9,11	10,04	11,33	12,12	13,1	14,43	14,9	13,33	12,21	11,33	10,04	9,11	8,39

IzoRoof 60 - Table 53

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	2,61	2,87	3,24	3,82	4,1	1,68	1,37	1,18	0,99	0,87	0,77	0,72	0,66	0,57
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	3,62	3,97	4,43	4,49	4,49	3,61	3,43	3,26	3	2,79	2,58	2,48	2,3	2,02
	II	ULS	2,61	2,87	3,24	3,82	4,1	1,68	1,37	1,18	0,99	0,87	0,77	0,72	0,66	0,57
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	3,62	3,83	4,1	4,47	4,49	3,61	3,43	3,26	3	2,79	2,58	2,48	2,3	2,02
	III	ULS	2,61	2,87	3,24	3,82	4,1	1,68	1,37	1,18	0,99	0,87	0,77	0,72	0,66	0,57
		fasteners*	3	2	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	3,15	3,3	3,48	3,71	4,01	3,61	3,43	3,26	3	2,79	2,58	2,48	2,3	2,02
two-span system	I	ULS	1,11	1,35	1,75	2,56	2,66	2,38	2,27	1,84	1,44	1,19	0,98	0,9	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	4,61	5,07	5,7	6,66	8,16	5,34	4,81	4,41	3,95	3,6	3,25	3,1	2,86	2,5
	II	ULS	0,97	1,16	1,49	2,19	2,66	2,38	2,27	1,84	1,44	1,19	0,98	0,9	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	4,61	5,07	5,7	6,66	8,16	5,34	4,81	4,41	3,95	3,6	3,25	3,1	2,86	2,5
	III	ULS	0,69	0,75	0,82	0,93	1,14	1	0,96	0,93	0,89	0,86	0,83	0,82	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2
		SLS L/200	4,61	5,07	5,7	6,66	8,16	5,34	4,81	4,41	3,95	3,6	3,25	3,1	2,86	2,5
multi-span system	I	ULS	1,44	1,8	2,38	2,91	2,91	2,41	2,32	1,95	1,55	1,31	1,1	1,03	0,92	0,73
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	4,39	4,81	5,39	6,26	7,12	5	4,57	4,21	3,79	3,47	3,14	3	2,78	2,43
	II	ULS	1,33	1,68	2,25	2,91	2,91	2,41	2,32	1,95	1,52	1,22	1,05	1	0,92	0,73
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	4,39	4,81	5,39	6,26	7,12	5	4,57	4,21	3,79	3,47	3,14	3	2,78	2,43
	III	ULS	0,58	0,58	0,58	0,58	0,58	0,56	0,56	0,55	0,55	0,54	0,53	0,53	0,52	0,51
		fasteners*	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	4,39	4,81	5,39	6,26	7,12	5	4,57	4,21	3,79	3,47	3,14	3	2,78	2,43

IzoRoof 80 - Table 54

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperatura na zewnątrz
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	2,97	3,27	3,71	4,4	5,63	2,28	1,8	1,48	1,18	1	0,85	0,8	0,71	0,6
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	4,35	4,77	5,34	5,37	5,37	4,32	4,1	3,87	3,57	3,32	3,06	2,95	2,72	2,38
	II	ULS	2,97	3,27	3,71	4,4	5,63	2,28	1,8	1,48	1,18	1	0,85	0,8	0,71	0,6
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	4,35	4,72	5,07	5,37	5,37	4,32	4,1	3,87	3,57	3,32	3,06	2,95	2,72	2,38
	III	ULS	2,97	3,27	3,71	4,4	5,63	2,28	1,8	1,48	1,18	1	0,85	0,8	0,71	0,6
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	3,88	4,08	4,32	4,63	5,07	4,32	4,1	3,87	3,57	3,32	3,06	2,95	2,72	2,38
two-span system	I	ULS	1,1	1,32	1,7	2,46	2,92	2,62	2,11	1,74	1,38	1,16	0,96	0,89	0,77	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	5,52	6,09	6,87	8,06	9,42	6,26	5,65	5,18	4,64	4,23	3,81	3,64	3,34	2,9
	II	ULS	0,95	1,07	1,26	1,74	2,92	2,62	2,11	1,74	1,38	1,16	0,96	0,89	0,77	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	5,52	6,09	6,87	8,06	9,42	6,26	5,65	5,18	4,64	4,23	3,81	3,64	3,34	2,9
	III	ULS	0,67	0,72	0,78	0,86	0,97	2,62	2,11	1,74	1,38	1,16	0,96	0,89	0,77	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3
		SLS L/200	5,52	6,09	6,87	8,06	9,42	6,26	5,65	5,18	4,64	4,23	3,81	3,64	3,34	2,9
multi-span system	I	ULS	1,41	1,76	2,35	3,13	3,13	2,62	2,53	2,28	1,77	1,45	1,17	1,07	0,91	0,71
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	5,26	5,78	6,49	7,58	8,3	5,89	5,37	4,95	4,46	4,08	3,69	3,53	3,25	2,84
	II	ULS	1,28	1,6	2,17	3,13	3,13	2,62	2,53	2,28	1,77	1,45	1,17	1,07	0,91	0,71
		fasteners*	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	5,26	5,78	6,49	7,58	8,3	5,89	5,37	4,95	4,46	4,08	3,69	3,53	3,25	2,84
	III	ULS	1,08	1,35	1,85	2,95	3,13	1,12	1,01	0,95	0,87	0,79	0,72	0,69	0,65	0,58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	5,26	5,78	6,49	7,58	8,3	5,89	5,37	4,95	4,46	4,08	3,69	3,53	3,25	2,84

IzoRoof 100 - Table 55

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3,29	3,65	4,15	4,94	6,51	2,94	2,36	1,92	1,47	1,19	0,97	0,89	0,78	0,64
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	5,06	5,55	6,18	6,18	6,18	5	4,75	4,46	4,11	3,84	3,54	3,39	3,14	2,74
	II	ULS	3,29	3,65	4,15	4,94	6,51	2,94	2,36	1,92	1,47	1,19	0,97	0,89	0,78	0,64
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	5,06	5,55	6,05	6,18	6,18	5	4,75	4,46	4,11	3,84	3,54	3,39	3,14	2,74
	III	ULS	3,29	3,65	4,15	4,94	6,51	2,94	2,36	1,92	1,47	1,19	0,97	0,89	0,78	0,64
		fasteners*	3	3	2	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	4,62	4,87	5,18	5,59	6,18	5	4,75	4,46	4,11	3,84	3,54	3,39	3,14	2,74
two-span system	I	ULS	1,1	1,31	1,67	2,39	3,15	2,53	1,99	1,66	1,34	1,13	0,95	0,88	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,41	7,09	8,02	9,46	10,55	7,12	6,44	5,91	5,31	4,84	4,36	4,16	3,82	3,31
	II	ULS	0,93	1,03	1,18	1,43	3,15	2,53	1,99	1,66	1,34	1,13	0,95	0,88	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2
		SLS L/200	6,41	7,09	8,02	9,46	10,55	7,12	6,44	5,91	5,31	4,84	4,36	4,16	3,82	3,31
	III	ULS	0,67	0,71	0,76	0,83	0,91	1,3	1,3	1,3	1,3	1,13	0,95	0,88	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3
		SLS L/200	6,41	7,09	8,02	9,46	10,55	7,12	6,44	5,91	5,31	4,84	4,36	4,16	3,82	3,31
multi-span system	I	ULS	1,38	1,73	2,31	3,33	3,33	2,81	2,67	2,17	1,7	1,4	1,13	1,04	0,89	0,7
		fasteners*	3 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,11	6,72	7,57	8,89	9,35	6,72	6,13	5,65	5,1	4,67	4,22	4,04	3,73	3,25
	II	ULS	1,24	1,54	2,09	3,23	3,33	2,81	2,67	2,17	1,49	1,2	1,01	0,95	0,86	0,7
		fasteners*	3 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,11	6,72	7,57	8,89	9,35	6,72	6,13	5,65	5,1	4,67	4,22	4,04	3,73	3,25
	III	ULS	0,97	1,16	1,71	2,8	3,33	0,93	0,87	0,82	0,76	0,71	0,67	0,65	0,61	0,55
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,11	6,72	7,57	8,89	9,35	6,72	6,13	5,65	5,1	4,67	4,22	4,04	3,73	3,25

IzoRoof 120 - Table 56

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3,6	4	4,56	5,46	7,29	3,54	2,92	2,43	1,86	1,46	1,13	1,02	0,87	0,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	5,75	6,32	6,93	6,93	6,93	5,64	5,34	5,02	4,64	4,33	3,99	3,82	3,54	3,1
	II	ULS	3,6	4	4,56	5,46	7,29	3,54	2,92	2,43	1,86	1,46	1,13	1,02	0,87	0,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	5,75	6,32	6,93	6,93	6,93	5,64	5,34	5,02	4,64	4,33	3,99	3,82	3,54	3,1
	III	ULS	3,6	4	4,56	5,46	7,29	3,54	2,92	2,43	1,86	1,46	1,13	1,02	0,87	0,69
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	5,36	5,66	6,05	6,57	6,93	5,64	5,34	5,02	4,64	4,33	3,99	3,82	3,54	3,1
two-span system	I	ULS	1,1	1,31	1,65	2,33	3,37	2,22	1,84	1,6	1,31	1,12	0,94	0,87	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,3	8,08	9,16	10,87	11,55	7,92	7,18	6,61	5,94	5,43	4,89	4,67	4,29	3,72
	II	ULS	0,92	1,01	1,14	1,33	1,82	2,22	1,84	1,6	1,31	1,12	0,94	0,87	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2
		SLS L/200	7,3	8,08	9,16	10,87	11,55	7,92	7,18	6,61	5,94	5,43	4,89	4,67	4,29	3,72
	III	ULS	0,66	0,71	0,76	0,82	0,89	1,15	1,15	1,15	1,15	1,11	0,94	0,87	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3
		SLS L/200	7,3	8,08	9,16	10,87	11,55	7,92	7,18	6,61	5,94	5,43	4,89	4,67	4,29	3,72
multi-span system	I	ULS	1,37	1,7	2,29	3,49	3,51	2,99	2,54	2,07	1,63	1,35	1,11	1,02	0,88	0,7
		fasteners*	3 3	3 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,94	7,65	8,64	10,2	10,29	7,5	6,83	6,31	5,7	5,23	4,74	4,54	4,19	3,65
	II	ULS	1,21	1,5	2,03	3,19	3,51	2,99	2,1	1,44	1,17	1,04	0,92	0,88	0,81	0,7
		fasteners*	3 3	3 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,94	7,65	8,64	10,2	10,29	7,5	6,83	6,31	5,7	5,23	4,74	4,54	4,19	3,65
	III	ULS	0,9	1,02	1,02	1,02	1,02	0,82	0,78	0,75	0,71	0,67	0,64	0,62	0,59	0,54
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	6,94	7,65	8,64	10,2	10,29	7,5	6,83	6,31	5,7	5,23	4,74	4,54	4,19	3,65

IzoRoof 140 - Table 57

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3,9	4,33	4,96	5,97	8,08	4,08	3,28	2,74	2,19	1,83	1,37	1,21	0,99	0,75
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,43	7,07	7,63	7,63	7,63	6,24	5,9	5,55	5,13	4,8	4,41	4,23	3,92	3,44
	II	ULS	3,9	4,33	4,96	5,97	8,08	4,08	3,28	2,74	2,19	1,83	1,37	1,21	0,99	0,75
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,43	7,07	7,63	7,63	7,63	6,24	5,9	5,55	5,13	4,8	4,41	4,23	3,92	3,44
	III	ULS	3,9	4,33	4,96	5,97	8,08	4,08	3,28	2,74	2,19	1,83	1,37	1,21	0,99	0,75
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,09	6,46	6,93	7,58	7,63	6,24	5,9	5,55	5,13	4,8	4,41	4,23	3,92	3,44
two-span system	I	ULS	1,11	1,31	1,64	2,3	3,56	1,97	1,7	1,52	1,29	1,1	0,93	0,86	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,17	9,06	10,3	12,3	12,46	8,68	7,89	7,27	6,55	5,99	5,41	5,17	4,75	4,12
	II	ULS	0,91	1	1,11	1,28	1,59	1,97	1,7	1,52	1,29	1,1	0,93	0,86	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2
		SLS L/200	8,17	9,06	10,3	12,3	12,46	8,68	7,89	7,27	6,55	5,99	5,41	5,17	4,75	4,12
	III	ULS	0,66	0,7	0,75	0,81	0,88	1,1	1,1	1,1	1,1	1,07	0,93	0,86	0,76	0,61
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3
		SLS L/200	8,17	9,06	10,3	12,3	12,46	8,68	7,89	7,27	6,55	5,99	5,41	5,17	4,75	4,12
multi-span system	I	ULS	1,35	1,68	2,27	3,51	3,68	3,1	2,42	1,99	1,58	1,32	1,08	1	0,87	0,69
		fasteners*	3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,76	8,57	9,7	11,15	11,15	8,22	7,5	6,94	6,28	5,77	5,24	5,02	4,63	4,04
	II	ULS	1,19	1,46	1,97	3,16	3,68	1,67	1,33	1,18	1,05	0,96	0,87	0,83	0,77	0,69
		fasteners*	3 3	3 3	3 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,76	8,57	9,7	11,15	11,15	8,22	7,5	6,94	6,28	5,77	5,24	5,02	4,63	4,04
	III	ULS	0,86	0,89	0,89	0,89	0,89	0,77	0,74	0,71	0,68	0,65	0,62	0,6	0,57	0,53
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,76	8,57	9,7	11,15	11,15	8,22	7,5	6,94	6,28	5,77	5,24	5,02	4,63	4,04

IzoRoof 150 - Table 58

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	4,04	4,5	5,16	6,23	8,48	4,03	3,25	2,72	2,18	1,74	1,29	1,14	0,94	0,73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,63	7,32	7,88	7,88	7,88	6,44	6,05	5,68	5,24	4,88	4,45	4,26	3,93	3,42
	II	ULS	4,04	4,5	5,16	6,23	8,48	4,03	3,25	2,72	2,18	1,74	1,29	1,14	0,94	0,73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,63	7,32	7,88	7,88	7,88	6,44	6,05	5,68	5,24	4,88	4,45	4,26	3,93	3,42
	III	ULS	4,04	4,5	5,16	6,23	8,48	4,03	3,25	2,72	2,18	1,74	1,29	1,14	0,94	0,73
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,43	6,84	7,37	7,88	7,88	6,44	6,05	5,68	5,24	4,88	4,45	4,26	3,93	3,42
two-span system	I	ULS	1,16	1,39	1,74	2,43	3,89	2,1	1,82	1,61	1,33	1,14	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,36	9,32	10,66	12,7	12,7	8,8	7,98	7,34	6,58	6	5,39	5,14	4,71	4,05
	II	ULS	1,02	1,14	1,29	1,52	2,06	2,1	1,82	1,61	1,33	1,14	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,36	9,32	10,66	12,7	12,7	8,8	7,98	7,34	6,58	6	5,39	5,14	4,71	4,05
	III	ULS	0,76	0,81	0,88	0,95	1,06	1,45	1,45	1,4	1,28	1,14	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2
		SLS L/200	8,36	9,32	10,66	12,7	12,7	8,8	7,98	7,34	6,58	6	5,39	5,14	4,71	4,05
multi-span system	I	ULS	1,39	1,72	2,3	3,56	3,97	3,05	2,4	1,99	1,59	1,33	1,1	1,02	0,88	0,7
		fasteners*	3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,98	8,84	10,07	11,42	11,42	8,38	7,63	7,04	6,35	5,82	5,25	5,02	4,62	4
	II	ULS	1,24	1,52	2,02	3,19	3,97	1,85	1,49	1,32	1,16	1,06	0,95	0,91	0,85	0,7
		fasteners*	3 3	3 3	3 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,98	8,84	10,07	11,42	11,42	8,38	7,63	7,04	6,35	5,82	5,25	5,02	4,62	4
	III	ULS	0,98	1,08	1,08	1,08	1,08	0,89	0,85	0,82	0,77	0,74	0,69	0,67	0,64	0,58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	7,98	8,84	10,07	11,42	11,42	8,38	7,63	7,04	6,35	5,82	5,25	5,02	4,62	4

IzoRoof 160 - Table 59

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION	Characteristic load [kN/m²]													
			-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS	3,71	4,13	4,74	5,73	6,13	2,72	2,07	1,58	1,15	0,92	0,76	0,7	0,62	0,51
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,96	7,69	8,2	8,2	8,2	6,71	6,3	5,93	5,47	5,1	4,64	4,45	4,11	3,58
	II	ULS	3,71	4,13	4,74	5,73	6,13	2,72	2,07	1,58	1,15	0,92	0,76	0,7	0,62	0,51
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,96	7,69	8,2	8,2	8,2	6,71	6,3	5,93	5,47	5,1	4,64	4,45	4,11	3,58
	III	ULS	3,71	4,13	4,74	5,73	6,13	2,72	2,07	1,58	1,15	0,92	0,76	0,7	0,62	0,51
		fasteners*	3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS L/200	6,8	7,24	7,82	8,2	8,2	6,71	6,3	5,93	5,47	5,1	4,64	4,45	4,11	3,58
two-span system	I	ULS	1,17	1,39	1,75	2,42	3,03	2,03	1,77	1,59	1,32	1,13	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,79	9,79	11,22	13,1	13,1	9,15	8,3	7,64	6,86	6,26	5,63	5,37	4,92	4,24
	II	ULS	1,03	1,14	1,28	1,5	1,97	2,03	1,77	1,59	1,32	1,13	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,79	9,79	11,22	13,1	13,1	9,15	8,3	7,64	6,86	6,26	5,63	5,37	4,92	4,24
	III	ULS	0,76	0,81	0,88	0,95	1,05	1,41	1,41	1,37	1,25	1,13	0,96	0,89	0,78	0,62
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2
		SLS L/200	8,79	9,79	11,22	13,1	13,1	9,15	8,3	7,64	6,86	6,26	5,63	5,37	4,92	4,24
multi-span system	I	ULS	1,39	1,72	2,3	2,62	2,62	2,48	2,35	1,95	1,57	1,32	1,07	0,97	0,83	0,67
		fasteners*	3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,37	9,29	10,59	11,8	11,8	8,7	7,93	7,33	6,62	6,06	5,48	5,24	4,82	4,18
	II	ULS	1,24	1,51	2,01	2,62	2,62	1,61	1,39	1,26	1,12	1,03	0,94	0,9	0,83	0,67
		fasteners*	3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,37	9,29	10,59	11,8	11,8	8,7	7,93	7,33	6,62	6,06	5,48	5,24	4,82	4,18
	III	ULS	0,97	1,03	1,03	1,03	1,03	0,87	0,84	0,8	0,76	0,73	0,69	0,67	0,63	0,58
		fasteners*	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS L/200	8,37	9,29	10,59	11,8	11,8	8,7	7,93	7,33	6,62	6,06	5,48	5,24	4,82	4,18

IzoRoof 175 - Table 60

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS		3,89	4,34	4,99	6,07	6,52	3,04	2,38	1,84	1,3	1,01	0,8	0,74	0,64	0,53
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	7,45	8,24	8,64	8,64	8,64	7,11	6,68	6,28	5,81	5,42	4,93	4,72	4,37	3,82
	II	ULS		3,89	4,34	4,99	6,07	6,52	3,04	2,38	1,84	1,3	1,01	0,8	0,74	0,64	0,53
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	7,45	8,24	8,64	8,64	8,64	7,11	6,68	6,28	5,81	5,42	4,93	4,72	4,37	3,82
	III	ULS		3,89	4,34	4,99	6,07	6,52	3,04	2,38	1,84	1,3	1,01	0,8	0,74	0,64	0,53
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	7,35	7,85	8,5	8,64	8,64	7,11	6,68	6,28	5,81	5,42	4,93	4,72	4,37	3,82
two-span system	I	ULS		1,18	1,4	1,75	2,43	3,15	1,94	1,72	1,55	1,31	1,13	0,95	0,88	0,78	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	9,42	10,51	12,08	13,66	13,66	9,64	8,77	8,08	7,27	6,64	5,97	5,7	5,23	4,51
	II	ULS		1,03	1,14	1,28	1,48	1,88	1,94	1,72	1,55	1,31	1,13	0,95	0,88	0,78	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	9,42	10,51	12,08	13,66	13,66	9,64	8,77	8,08	7,27	6,64	5,97	5,7	5,23	4,51
	III	ULS		0,76	0,81	0,88	0,95	1,05	1,38	1,38	1,34	1,23	1,13	0,95	0,88	0,78	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2
		SLS	L/200	9,42	10,51	12,08	13,66	13,66	9,64	8,77	8,08	7,27	6,64	5,97	5,7	5,23	4,51
multi-span system	I	ULS		1,39	1,72	2,3	2,72	2,72	2,58	2,28	1,88	1,54	1,3	1,08	1	0,87	0,69
		fasteners*		3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	8,97	9,96	11,39	12,33	12,33	9,17	8,37	7,75	7,01	6,43	5,82	5,56	5,12	4,45
	II	ULS		1,23	1,5	1,99	2,72	2,72	1,43	1,29	1,19	1,08	1	0,91	0,88	0,82	0,69
		fasteners*		3 3	3 3	3 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	8,97	9,96	11,39	12,33	12,33	9,17	8,37	7,75	7,01	6,43	5,82	5,56	5,12	4,45
	III	ULS		0,95	0,98	0,98	0,98	0,98	0,85	0,81	0,78	0,75	0,71	0,67	0,66	0,63	0,57
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	8,97	9,96	11,39	12,33	12,33	9,17	8,37	7,75	7,01	6,43	5,82	5,56	5,12	4,45

IzoRoof 200 - Table 61

Maximum allowable span length [m] for evenly distributed characteristic wind load [kN/m²]

Outer facing thickness 0,50 [mm]

Inner facing thickness 0,40 [mm]

Temperature outside
summer: +55°C; + 65°C; + 80°C (T depends on the colour group)
winter: -20°C

Temperature inside
summer: +25°C
winter: +20°C

Min. width of the end support 50 [mm]

Min. width of the internal support 100 [mm]

*Number of fasteners required

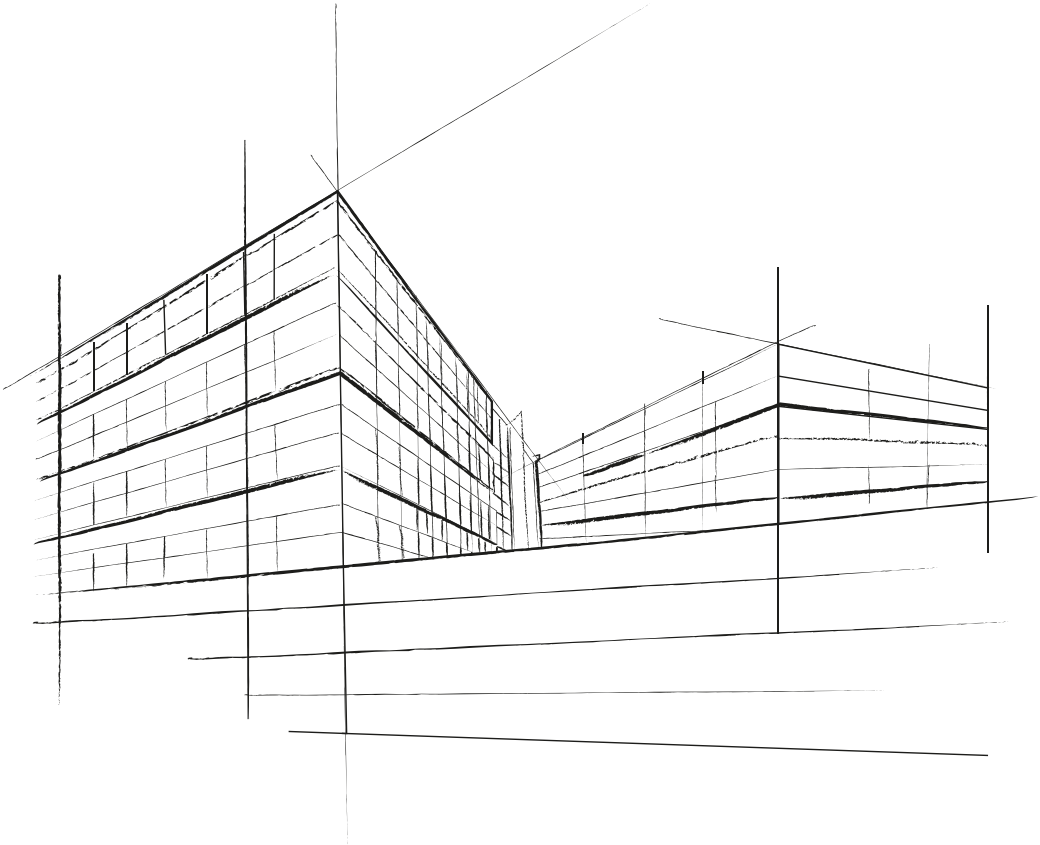
a	b

a - on the end support
b - on the internal support

ULS – Ultimate Limit State

SLS– Serviceability Limit State

STATIC SYSTEM	COLOUR GROUP	CRITERION		Characteristic load [kN/m²]													
				-1,2	-1	-0,8	-0,6	-0,4	0,6	0,8	1	1,3	1,6	2	2,2	2,6	3,4
single-span system	I	ULS		4,18	4,68	5,4	6,61	7,1	3,53	2,86	2,3	1,63	1,2	0,9	0,81	0,69	0,55
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	8,26	9,15	9,34	9,34	9,34	7,75	7,27	6,85	6,34	5,92	5,39	5,17	4,79	4,2
	II	ULS		4,18	4,68	5,4	6,61	7,1	3,53	2,86	2,3	1,63	1,2	0,9	0,81	0,69	0,55
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	8,26	9,15	9,34	9,34	9,34	7,75	7,27	6,85	6,34	5,92	5,39	5,17	4,79	4,2
	III	ULS		4,18	4,68	5,4	6,61	7,1	3,53	2,86	2,3	1,63	1,2	0,9	0,81	0,69	0,55
		fasteners*		3	3	3	2	2	2	2	2	2	2	2	2	2	2
		SLS	L/200	8,26	8,86	9,34	9,34	9,34	7,75	7,27	6,85	6,34	5,92	5,39	5,17	4,79	4,2
two-span system	I	ULS		1,19	1,42	1,77	2,44	3,33	1,83	1,64	1,5	1,29	1,11	0,95	0,88	0,77	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	10,47	11,71	13,51	14,54	14,54	10,43	9,51	8,78	7,92	7,25	6,54	6,24	5,73	4,95
	II	ULS		1,04	1,14	1,28	1,47	1,8	1,83	1,64	1,5	1,29	1,11	0,95	0,88	0,77	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	10,47	11,71	13,51	14,54	14,54	10,43	9,51	8,78	7,92	7,25	6,54	6,24	5,73	4,95
	III	ULS		0,77	0,82	0,88	0,95	1,05	1,34	1,34	1,29	1,19	1,11	0,95	0,88	0,77	0,62
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 2
		SLS	L/200	10,47	11,71	13,51	14,54	14,54	10,43	9,51	8,78	7,92	7,25	6,54	6,24	5,73	4,95
multi-span system	I	ULS		1,39	1,72	2,3	2,87	2,87	2,41	1,9	1,65	1,42	1,27	1,07	0,99	0,86	0,69
		fasteners*		3 3	3 3	3 3	3 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	9,95	11,08	12,72	13,17	13,17	9,91	9,08	8,42	7,63	7,01	6,36	6,09	5,61	4,88
	II	ULS		1,23	1,49	1,96	2,87	2,87	1,28	1,19	1,11	1,03	0,96	0,88	0,85	0,8	0,69
		fasteners*		3 3	3 3	3 3	3 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	9,95	11,08	12,72	13,17	13,17	9,91	9,08	8,42	7,63	7,01	6,36	6,09	5,61	4,88
	III	ULS		0,93	0,93	0,93	0,93	0,93	0,82	0,79	0,76	0,73	0,7	0,66	0,65	0,62	0,57
		fasteners*		2 3	2 3	2 3	2 3	2 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2
		SLS	L/200	9,95	11,08	12,72	13,17	13,17	9,91	9,08	8,42	7,63	7,01	6,36	6,09	5,61	4,88



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