

6

PRODUCT DATA SHEET

6. 1

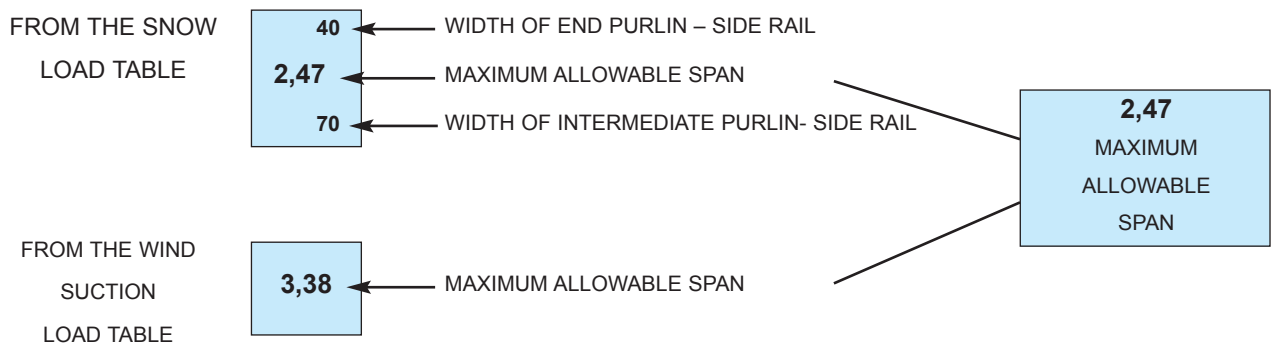
LOAD TABLES AND MAXIMUM ALLOWED SPANS

The following tables have been calculated according to the valid European specifications (prEN 14509) as well as to the directives of the European Committee of Standardisation (CEN/TC 128/SC 11) which regard to the "composite self-bearing insulating metal prefabricated panels of sandwich type"

The following must be observed when using the tables:

- The characteristic loads must be determined by the valid European Specifications and they are calculated in daN/m².
- The span tables refers to buildings with a normal interior climate and they are not valid for buildings of particular conditions of very high and/or of very low prices of temperature and humidity.
- In the case of roof panels (ECOPANEL RL) the values of the tables are valid only for the closed constructions as these are defined in the Eurocode 1 (EC 1 - DIN EN n 1991-1-1 and/or in the German Norm DIN 1055 Part 4.
- For colour groups I (very light) II (light) III (dark) consult the table that follows.
- The values in the tables have been calculated taking into account the most unfavourable conditions of loads. In the colour groups with the letter (f) the loads' values and the corresponding allowed maximum spans have been calculated taking into account additionally, the long-term behaviour. And in both cases the maximum deflection arrow is l/150.
- For application the suitable maximum allowed span is the smallest than the ones mentioned in corresponding two tables, snow load / wind suction load (for the tables of roof panels ECOPANEL RL) and wind- pressure load / suction load (for the tables of wall cladding panels ECOPANEL WLC - WL- FL). In the indicative example below, apart from the choice of the suitable span are also reported the minimum allowed widths of the purlins or side rails for the panels' support.
- For static support systems with more than three spans, valid are the values that are reported in the tables with the three spans.

INDICATIVE EXAMPLE:

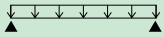
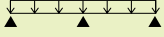
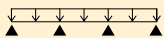


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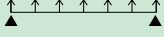
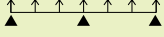
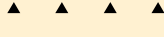
6.5

WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.50/0.50$ mm

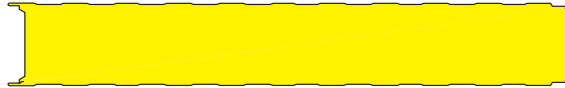
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
 SINGLE SPAN SUPPORT	I, II, III	5,88 ⁴⁰	4,80 ⁴⁰	4,16 ⁴³	3,72 ⁴⁸	3,40 ⁵²	3,14 ⁵⁶	2,94 ⁶⁰	2,77 ⁶⁴	2,63 ⁶⁷	2,51 ⁷¹	2,40 ⁷⁴	2,22 ⁸⁰	2,08 ⁸⁵
	I(f), II(f), III(f)	4,57 ⁴⁰	4,02 ⁴⁰	3,64 ⁴⁰	3,35 ⁴³	3,12 ⁴⁸	2,93 ⁵³	2,76 ⁵⁷	2,62 ⁶⁰	2,49 ⁶⁴	2,38 ⁶⁷	2,28 ⁷⁰	2,10 ⁷⁵	1,96 ⁸⁰
 TWO SPAN SUPPORT	I, II	4,91 ⁴⁰	4,24 ⁴⁰	3,84 ⁴⁰	3,56 ⁴⁶	3,35 ⁵²	3,14 ⁵⁶	2,94 ⁶⁰	2,77 ⁶⁴	2,63 ⁶⁷	2,51 ⁷¹	2,40 ⁷⁴	2,22 ⁸⁰	2,08 ⁸⁵
	III	3,74 ⁴⁰	3,74 ⁴⁰	3,74 ⁴⁰	3,56 ⁴⁶	3,35 ⁵²	3,14 ⁵⁶	2,94 ⁶⁰	2,77 ⁶⁴	2,63 ⁶⁷	2,51 ⁷¹	2,40 ⁷⁴	2,22 ⁸⁰	2,08 ⁸⁵
 THREE SPAN SUPPORT	I, II, III	5,73 ⁴⁰	4,77 ⁴⁰	4,16 ⁴³	3,72 ⁴⁸	3,40 ⁵²	3,14 ⁵⁶	2,94 ⁶⁰	2,77 ⁶⁴	2,63 ⁶⁷	2,51 ⁷¹	2,40 ⁷⁴	2,22 ⁸⁰	2,08 ⁸⁵
		60 ⁴⁰	73 ⁴⁰	85 ⁴³	95 ⁴⁸	104 ⁵²	112 ⁵⁶	120 ⁶⁰	127 ⁶⁴	134 ⁶⁷	141 ⁷¹	147 ⁷⁴	159 ⁸⁰	170 ⁸⁵

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
 SINGLE SPAN SUPPORT	I, II, III	5,88	4,80	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	I(f)	5,78	4,80	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	II(f)	5,26	4,71	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	III(f)	4,55	4,15	3,85	3,62	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
 TWO SPAN SUPPORT	I	5,88	4,80	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	II	4,99	4,36	3,98	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	III	5,53	3,29	3,12	2,98	2,87	2,78	2,71	2,64	2,58	2,51	2,40	2,22	2,08
 THREE SPAN SUPPORT	I, II	5,88	4,80	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	III	4,08	3,59	3,29	3,08	2,91	2,78	2,68	2,59	2,51	2,44	2,38	2,22	2,08

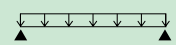
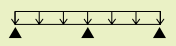
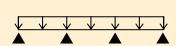
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

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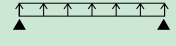
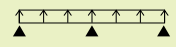
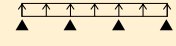


WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.60$ mm

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	40 6,41	40 5,23	47 4,53	52 4,05	57 3,70	61 3,42	66 3,20	70 3,02	73 2,86	77 2,73	80 2,62	87 2,42	87 2,12
	I(f), II(f), III(f)	40 4,73	40 4,17	40 3,78	45 3,47	50 3,23	54 3,03	58 2,85	62 2,70	66 2,57	69 2,45	72 2,35	77 2,16	82 2,00
TWO SPAN SUPPORT 	I, II	40 5,28	40 4,57	43 4,14	49 3,85	56 3,63	61 3,42	66 3,20	70 3,02	73 2,86	77 2,73	80 2,62	87 2,42	87 2,12
	III	61 3,90	75 3,90	88 3,90	100 3,85	111 3,63	122 3,42	131 3,20	139 3,02	146 2,86	153 2,73	160 2,62	173 2,42	173 2,12
THREE SPAN SUPPORT 	I, II	40 6,16	40 5,14	47 4,53	52 4,05	57 3,70	61 3,42	66 3,20	70 3,02	73 2,86	77 2,73	80 2,62	87 2,42	87 2,12
	III	63 6,05	79 5,14	93 4,53	104 4,05	113 3,70	122 3,42	131 3,20	139 3,02	146 2,86	153 2,73	160 2,62	173 2,42	173 2,12

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	6,41	5,23	4,53	4,05	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	I(f)	6,02	5,23	4,53	4,05	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	II(f)	5,43	4,88	4,48	4,05	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	III(f)	4,66	4,26	3,96	3,72	3,52	3,35	3,20	3,02	2,86	2,73	2,62	2,42	2,12
TWO SPAN SUPPORT 	I	6,41	5,23	4,53	4,05	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	II	5,33	4,68	4,28	4,00	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	III	3,76	3,52	3,34	3,21	3,10	3,00	2,92	2,85	2,79	2,73	2,62	2,42	2,12
THREE SPAN SUPPORT 	I, II	6,41	5,23	4,53	4,05	3,70	3,42	3,20	3,02	2,86	2,73	2,62	2,42	2,12
	III	4,28	3,79	3,48	3,27	3,10	2,97	2,86	2,77	2,70	2,62	2,56	2,42	2,12

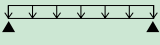
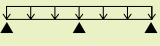
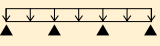
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 100

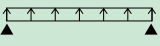
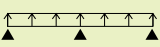
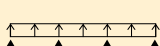


WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.50/0.50$ mm

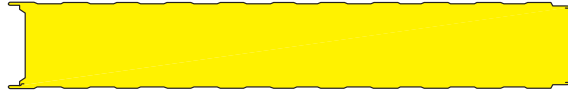
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	40 5,87	41 4,80	47 4,15	53 3,72	58 3,39	63 3,14	67 2,94	71 2,77	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08
	I(f), II(f), III(f)	40 5,44	41 4,78	47 4,15	53 3,72	58 3,39	63 3,14	67 2,94	71 2,77	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08
TWO SPAN SUPPORT 	I, II	40 4,43	40 3,94	42 3,63	49 3,41	55 3,24	62 3,10	67 2,94	71 2,77	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08
	III	40 2,92	40 2,92	40 2,92	42 2,92	50 2,92	58 2,92	67 2,92	71 2,77	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08
THREE SPAN SUPPORT 	I, II	40 5,02	40 4,26	44 3,82	50 3,51	56 3,28	62 3,10	67 2,94	71 2,77	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08
	III	40 2,66	40 2,66	40 2,66	40 2,66	46 2,66	53 2,66	61 2,66	68 2,66	75 2,63	78 2,50	82 2,40	88 2,22	95 2,08

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	5,87	4,80	4,15	3,72	3,39	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
	III(f)	5,50	4,80	4,15	3,72	3,39	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
TWO SPAN SUPPORT 	I	5,43	4,74	4,15	3,72	3,39	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
	II	4,23	3,86	3,61	3,43	3,29	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
	III	2,92	2,90	2,81	2,73	2,67	2,61	2,56	2,51	2,47	2,43	2,40	2,22	2,08
THREE SPAN SUPPORT 	I	5,87	4,80	4,15	3,72	3,39	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
	II	4,82	4,18	3,78	3,52	3,31	3,14	2,94	2,77	2,63	2,50	2,40	2,22	2,08
	III	2,66	2,66	2,60	2,51	2,44	2,37	2,32	2,26	2,22	2,18	2,14	2,08	2,02

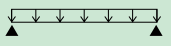
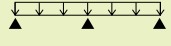
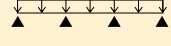
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 100

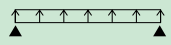
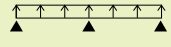



WIND PRESSURE LOAD

STEEL SHEET THICKNESS t = 0.60/0.60 mm

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	40 6,40	45 5,22	52 4,52	58 4,04	63 3,69	68 3,42	73 3,20	77 3,02	81 2,86	85 2,73	89 2,61	96 2,42	103 2,26
	I(f), II(f), III(f)	40 5,65	43 4,96	51 4,49	58 4,04	63 3,69	68 3,42	73 3,20	77 3,02	81 2,86	85 2,73	89 2,61	96 2,42	103 2,26
TWO SPAN SUPPORT 	I, II	40 67	40 83	45 97	53 110	60 122	67 133	73 145	77 154	81 162	85 170	89 178	96 192	103 205
		40 60	40 69	40 83	45 97	53 111	62 125	71 142	77 154	81 162	85 170	89 178	96 192	103 205
	III	40 3,12	40 3,12	40 3,12	45 3,12	53 3,12	62 3,12	71 3,12	77 3,02	81 2,86	85 2,73	89 2,61	96 2,42	103 2,26
THREE SPAN SUPPORT 	I, II	40 61	40 78	47 93	54 107	61 121	67 133	73 145	77 154	81 162	85 170	89 178	96 192	103 205
		40 2,78	40 2,78	40 2,78	40 2,78	48 2,78	56 2,78	63 2,78	71 2,78	79 2,78	85 2,73	89 2,61	96 2,42	103 2,26
	III	40 60	40 60	40 63	40 79	48 95	56 111	63 126	71 142	79 158	85 170	89 178	96 192	103 205

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	6,40	5,22	4,52	4,04	3,69	3,42	3,20	3,02	2,86	2,73	2,61	2,42	2,26
	III(f)	5,65	5,14	4,52	4,04	3,69	3,42	3,20	3,02	2,86	2,73	2,61	2,42	2,26
TWO SPAN SUPPORT 	I	5,83	5,10	4,52	4,04	3,69	3,42	3,20	3,02	2,86	2,73	2,61	2,42	2,26
	II	4,52	4,14	3,89	3,70	3,55	3,42	3,20	3,02	2,86	2,73	2,61	2,42	2,26
	III	3,12	3,12	3,03	2,95	2,88	2,82	2,77	2,72	2,68	2,64	2,60	2,42	2,26
THREE SPAN SUPPORT 	I	6,40	5,22	4,52	4,04	3,69	3,42	3,20	3,02	2,86	2,73	2,61	2,42	2,26
	II	5,10	4,44	4,04	3,76	3,55	3,38	3,20	3,02	2,86	2,73	2,61	2,42	2,26
	III	2,78	2,78	2,77	2,68	2,60	2,54	2,48	2,43	2,39	2,34	2,31	2,24	2,18

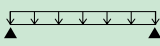
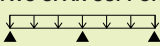
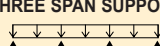
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 120

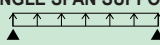
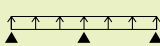
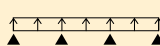


WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.50/0.50$ mm

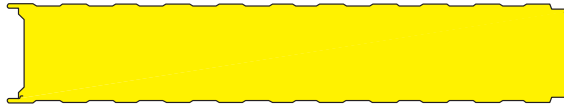
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	40 6,36	45 5,19	51 4,50	57 4,02	63 3,67	68 3,40	72 3,18	77 3,00	81 2,84	85 2,71	89 2,60	95 2,40	102 2,25
	I(f), II(f), III(f)	40 6,30	45 5,19	51 4,50	57 4,02	63 3,67	68 3,40	72 3,18	77 3,00	81 2,84	85 2,71	89 2,60	95 2,40	102 2,25
TWO SPAN SUPPORT 	I, II	40 4,72	40 4,21	44 3,89	52 3,66	60 3,48	67 3,34	72 3,18	77 3,00	81 2,84	85 2,71	89 2,60	95 2,40	102 2,25
		66 82	96 109	121 133	144 153	161 169	177 190	204						
	III	40 3,07	40 3,07	40 3,07	44 3,07	53 3,07	61 3,07	70 3,07	77 3,00	81 2,84	85 2,71	89 2,60	95 2,40	102 2,25
THREE SPAN SUPPORT 	I, II	40 5,32	40 4,53	46 4,06	53 3,74	60 3,51	66 3,32	72 3,17	77 3,00	81 2,84	85 2,71	89 2,60	95 2,40	102 2,25
		61 77	92 106	120 132	144 153	161 169	177 190	204						
	III	40 2,73	40 2,73	40 2,73	40 2,73	47 2,73	55 2,73	62 2,73	70 2,73	78 2,73	85 2,71	89 2,60	95 2,40	102 2,25
		60 60	60 60	62 62	78 78	93 93	109 109	124 124	139 139	155 155	169 169	177 177	190 190	204 204

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	6,36	5,19	4,50	4,02	3,67	3,40	3,18	3,00	2,84	2,71	2,60	2,40	2,25
TWO SPAN SUPPORT 	I	5,75	5,04	4,50	4,02	3,67	3,40	3,18	3,00	2,84	2,71	2,60	2,40	2,25
	II	4,46	4,09	3,84	3,66	3,51	3,39	3,18	3,00	2,84	2,71	2,60	2,40	2,25
	III	3,07	3,07	2,99	2,91	2,84	2,79	2,74	2,69	2,64	2,61	2,57	2,40	2,25
THREE SPAN SUPPORT 	I	6,36	5,19	4,50	4,02	3,67	3,40	3,18	3,00	2,84	2,71	2,60	2,40	2,25
	II	5,01	4,39	3,98	3,70	3,50	3,34	3,18	3,00	2,84	2,71	2,60	2,40	2,25
	III	2,73	2,73	2,73	2,64	2,57	2,50	2,45	2,40	2,36	2,32	2,28	2,21	2,16

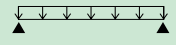
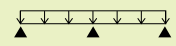
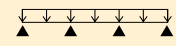
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 120

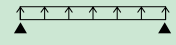
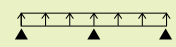
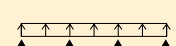


WIND PRESSURE LOAD

STEEL SHEET THICKNESS t = 0.60/0.60 mm

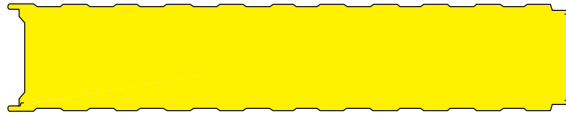
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)													
		50	75	100	125	150	175	200	225	250	275	300	350	400	
		MAXIMUM ALLOWABLE SPANS (m)													
SINGLE SPAN SUPPORT 	I, II, III	40 6,93	48 5,66	56 4,90	62 4,38	68 4,00	74 3,70	79 3,46	84 3,27	88 3,10	93 2,96	96 2,83	104 2,62	111 2,45	
	I(f), II(f), III(f)	40 6,55	48 5,66	56 4,90	62 4,38	68 4,00	74 3,70	79 3,46	84 3,27	88 3,10	93 2,96	96 2,83	104 2,62	111 2,45	
TWO SPAN SUPPORT 	I, II	40 5,06	40 4,54	48 4,20	56 3,96	64 3,77	72 3,62	79 3,46	84 3,27	88 3,10	93 2,96	96 2,83	104 2,62	111 2,45	
		72 89	104 118	131 144	157 167	176 185	192 208	222							
	III	40 3,28	40 3,28	40 3,28	40 3,28	40 3,28	40 3,28	40 3,28	84 3,27	88 3,10	93 2,96	96 2,83	104 2,62	111 2,45	
THREE SPAN SUPPORT 	I, II	40 5,68	42 4,85	50 4,36	57 4,03	65 3,78	71 3,58	78 3,42	84 3,27	88 3,10	93 2,96	96 2,83	104 2,62	111 2,45	
		65 83	99 114	129 142	155 167	176 185	192 208	222							
	III	40 2,87	40 2,87	40 2,87	41 2,87	49 2,87	57 2,87	65 2,87	74 2,87	82 2,87	90 2,87	96 2,83	104 2,62	111 2,45	
		60 60	74 60	88 65	103 82	118 98	132 114	149 130	167 147	176 163	185 179	192 192	208 208	222 222	

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)													
		50	75	100	125	150	175	200	225	250	275	300	350	400	
		MAXIMUM ALLOWABLE SPANS (m)													
SINGLE SPAN SUPPORT 	I, II, III	6,93	5,66	4,90	4,38	4,00	3,70	3,46	3,27	3,10	2,96	2,83	2,62	2,45	
	III(f)	6,62	5,66	4,90	4,38	4,00	3,70	3,46	3,27	3,10	2,96	2,83	2,62	2,45	
TWO SPAN SUPPORT 	I	6,17	5,43	4,90	4,38	4,00	3,70	3,46	3,27	3,10	2,96	2,83	2,62	2,45	
	II	4,76	4,39	4,14	3,94	3,79	3,66	3,46	3,27	3,10	2,96	2,83	2,62	2,45	
	III	3,28	3,28	3,22	3,14	3,07	3,01	2,96	2,90	2,86	2,82	2,78	2,62	2,45	
THREE SPAN SUPPORT 	I	6,93	5,66	4,90	4,38	4,00	3,70	3,46	3,27	3,10	2,96	2,83	2,62	2,45	
	II	5,29	4,64	4,24	3,96	3,75	3,58	3,45	3,27	3,10	2,96	2,83	2,62	2,45	
	III	2,87	2,87	2,87	2,82	2,74	2,68	2,62	2,58	2,53	2,49	2,45	2,39	2,33	

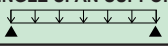
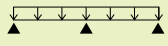
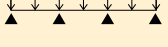
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 150

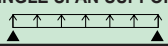
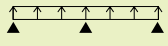



WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.50/0.50$ mm

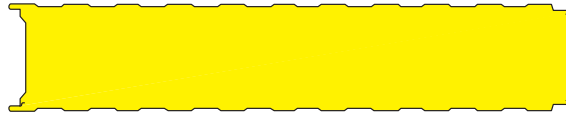
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
SINGLE SPAN SUPPORT 	I, II, III	40	49	56	63	69	74	79	84	89	93	97	105	112
		6,98	5,70	4,93	4,41	4,03	3,73	3,49	3,29	3,12	2,97	2,85	2,64	2,47
TWO SPAN SUPPORT 	I, II	40	40	48	57	65	73	79	84	89	93	97	105	112
		5,06	4,54	4,21	3,97	3,78	3,64	3,49	3,29	3,12	2,97	2,85	2,64	2,47
	III	40	40	40	47	56	65	74	84	89	93	97	105	112
		3,27	3,27	3,27	3,27	3,27	3,27	3,27	3,27	3,12	2,97	2,85	2,64	2,47
THREE SPAN SUPPORT 	I, II	40	42	50	57	65	72	78	84	89	93	97	105	112
		5,65	4,84	4,36	4,02	3,78	3,59	3,43	3,29	3,12	2,97	2,85	2,64	2,47
	III	40	40	40	40	48	56	64	72	80	88	96	105	112
		2,83	2,83	2,83	2,83	2,83	2,83	2,83	2,83	2,83	2,83	2,83	2,64	2,47

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
SINGLE SPAN SUPPORT 	I, II, III	6,98	5,70	4,93	4,41	4,03	3,73	3,49	3,29	3,12	2,97	2,85	2,64	2,47
TWO SPAN SUPPORT 	I	6,16	5,43	4,93	4,41	4,03	3,73	3,49	3,29	3,12	2,97	2,85	2,64	2,47
	II	4,74	4,39	4,14	3,95	3,80	3,68	3,49	3,29	3,12	2,97	2,85	2,64	2,47
	III	3,27	3,27	3,22	3,14	3,08	3,02	2,97	2,92	2,87	2,83	2,80	2,64	2,47
THREE SPAN SUPPORT 	I	6,98	5,70	4,93	4,41	4,03	3,73	3,49	3,29	3,12	2,97	2,85	2,64	2,47
	II	5,22	4,60	4,22	3,94	3,74	3,58	3,44	3,29	3,12	2,97	2,85	2,64	2,47
	III	2,83	2,83	2,83	2,80	2,74	2,67	2,62	2,57	2,53	2,49	2,45	2,39	2,33

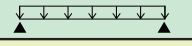
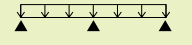
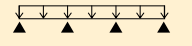
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 150

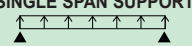
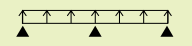
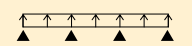


WIND PRESSURE LOAD

STEEL SHEET THICKNESS t = 0.60/0.60 mm

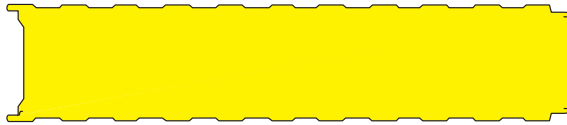
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	43	53	61	68	75	81	86	92	97	101	106	114	122
		7,60	6,20	5,37	4,80	4,39	4,06	3,80	3,58	3,40	3,24	3,10	2,87	2,69
TWO SPAN SUPPORT 	I, II	40	42	52	61	70	78	86	92	97	101	106	114	122
		5,43	4,89	4,54	4,29	4,10	3,94	3,80	3,58	3,40	3,24	3,10	2,87	2,69
	III	79	97	114	129	143	157	172	183	193	202	211	228	244
		40	40	40	50	60	70	80	90	97	101	106	114	122
THREE SPAN SUPPORT 	I, II	40	44	53	62	70	77	84	91	97	101	106	114	122
		6,02	5,18	4,67	4,33	4,07	3,86	3,70	3,56	3,40	3,24	3,10	2,87	2,69
	III	69	88	106	123	139	153	168	182	193	202	211	228	244
		40	40	40	43	51	60	68	77	85	93	102	114	122
		2,99	2,99	2,99	2,99	2,99	2,99	2,99	2,99	2,99	2,99	2,99	2,87	2,69
		60	60	69	85	102	119	136	153	170	186	203	228	244

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	7,60	6,20	5,37	4,80	4,39	4,06	3,80	3,58	3,40	3,24	3,10	2,87	2,69
TWO SPAN SUPPORT 	I	6,60	5,85	5,37	4,80	4,39	4,06	3,80	3,58	3,40	3,24	3,10	2,87	2,69
	II	5,08	4,71	4,46	4,26	4,10	3,98	3,80	3,58	3,40	3,24	3,10	2,87	2,69
	III	3,50	3,50	3,47	3,39	3,32	3,26	3,21	3,16	3,11	3,07	3,03	2,87	2,69
THREE SPAN SUPPORT 	I	7,60	6,20	5,37	4,80	4,39	4,06	3,80	3,58	3,40	3,24	3,10	2,87	2,69
	II	5,50	4,88	4,49	4,22	4,01	3,84	3,70	3,58	3,40	3,24	3,10	2,87	2,69
	III	2,99	2,99	2,99	2,99	2,92	2,86	2,81	2,76	2,72	2,68	2,64	2,57	2,52

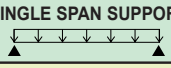
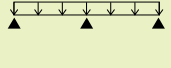
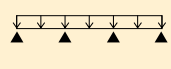
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL FL 180

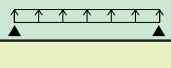
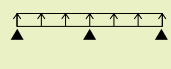
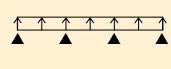


WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.50/0.50$ mm

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	43	52	60	67	74	80	85	90	95	100	104	112	120
		7,47	6,10	5,28	4,73	4,32	4,00	3,74	3,52	3,34	3,19	3,05	2,82	2,64
TWO SPAN SUPPORT 	I, II	40	41	51	60	69	77	85	90	95	100	104	112	120
		5,28	4,77	4,44	4,20	4,01	3,86	3,73	3,52	3,34	3,19	3,05	2,82	2,64
	III	77	96	112	127	141	154	169	180	189	199	207	224	239
		40	40	40	49	58	68	77	87	95	100	104	112	120
THREE SPAN SUPPORT 	I, II	3,40	3,40	3,40	3,40	3,40	3,40	3,40	3,40	3,34	3,19	3,05	2,82	2,64
		63	78	94	109	124	139	154	173	189	199	207	224	239
	III	40	43	52	60	68	75	82	89	95	100	104	112	120
		5,81	5,02	4,54	4,21	3,96	3,77	3,61	3,48	3,34	3,19	3,05	2,82	2,64
THREE SPAN SUPPORT	I, II	66	86	103	119	135	150	164	178	189	199	207	224	239
		40	40	40	41	49	57	65	74	82	90	98	112	120
	III	2,87	2,87	2,87	2,87	2,87	2,87	2,87	2,87	2,87	2,87	2,87	2,82	2,64
		60	60	67	82	98	114	130	147	163	179	195	224	239

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	7,47	6,10	5,28	4,73	4,32	4,00	3,74	3,52	3,34	3,19	3,05	2,82	2,64
TWO SPAN SUPPORT 	I	6,41	5,69	5,24	4,73	4,32	4,00	3,74	3,52	3,34	3,19	3,05	2,82	2,64
	II	4,92	4,58	4,34	4,16	4,01	3,88	3,74	3,52	3,34	3,19	3,05	2,82	2,64
	III	3,40	3,40	3,38	3,31	3,25	3,19	3,14	3,09	3,04	3,00	2,97	2,82	2,64
THREE SPAN SUPPORT 	I	7,38	6,10	5,28	4,73	4,32	4,00	3,74	3,52	3,34	3,19	3,05	2,82	2,64
	II	5,26	4,70	4,34	4,08	3,88	3,73	3,60	3,48	3,34	3,19	3,05	2,82	2,64
	III	2,87	2,87	2,87	2,87	2,84	2,78	2,73	2,68	2,64	2,60	2,57	2,51	2,45

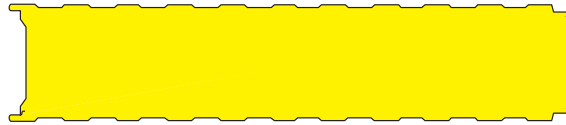
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²



CORUS



ECOPANEL FL 180



WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.60$ mm

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	47	57	66	73	80	87	93	98	103	108	113	122	131
		8,14	6,64	5,76	5,15	4,70	4,35	4,07	3,84	3,64	3,47	3,32	3,08	2,88
TWO SPAN SUPPORT 	I	40	44	55	65	74	83	92	98	103	108	113	122	131
		5,66	5,14	4,80	4,54	4,35	4,19	4,05	3,84	3,64	3,47	3,32	3,08	2,88
	II	84	104	122	138	153	168	184	196	206	216	226	244	261
		5,65	5,14	4,80	4,54	4,35	4,19	4,05	3,84	3,64	3,47	3,32	3,08	2,88
	III	84	104	122	138	153	168	184	196	206	216	226	244	261
		40	40	42	52	62	73	83	93	103	108	113	122	131
3,65	3,65	3,65	3,65	3,65	3,65	4,65	3,65	3,64	3,47	3,32	3,08	2,88		
THREE SPAN SUPPORT 	I, II	40	46	56	64	73	81	89	96	103	108	113	122	131
		6,19	5,36	4,87	4,52	4,26	4,06	3,90	3,76	3,64	3,47	3,32	3,08	2,88
	III	70	91	111	128	145	161	177	192	206	216	226	244	261
		40	40	41	44	52	61	69	78	87	95	104	121	131
	III	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	3,05	2,88
		60	60	73	87	104	121	138	156	173	190	207	242	261

WIND SUCTION LOAD

STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	8,14	6,64	5,76	5,15	4,70	4,35	4,07	3,84	3,64	3,47	3,32	3,08	2,88
TWO SPAN SUPPORT 	I	6,88	6,13	5,66	5,15	4,70	4,35	4,07	3,84	3,64	3,47	3,32	3,08	2,88
	II	5,27	4,92	4,68	4,49	4,33	4,20	4,07	3,84	3,64	3,47	3,32	3,08	2,88
	III	3,65	3,65	3,65	3,58	3,51	3,45	3,40	3,34	3,30	3,26	3,22	3,08	2,88
THREE SPAN SUPPORT 	I	7,88	6,64	5,76	5,15	4,70	4,35	4,07	3,84	3,64	3,47	3,32	3,08	2,88
	II	5,54	4,98	4,62	4,36	4,16	4,00	3,86	3,75	3,64	3,47	3,32	3,08	2,88
	III	3,05	3,05	3,05	3,05	3,04	2,98	2,93	2,88	2,84	2,80	2,77	2,70	2,65

NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

All the information included in this publication is true and accurate.

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