

6

PRODUCT DATA SHEET

6. 1

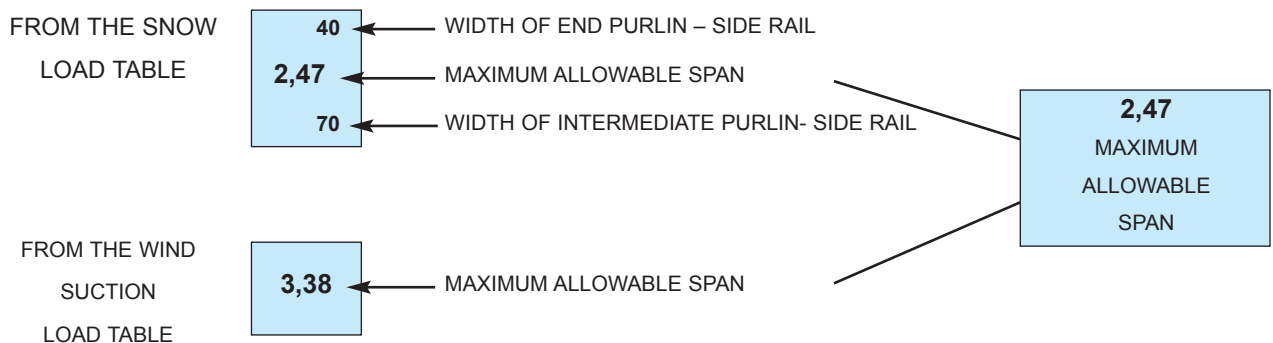
LOAD TABLES AND MAXIMUM ALLOWED SPANS

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:

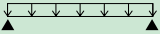
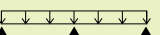
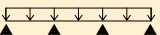


ECOPANEL WLC 40

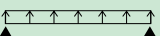

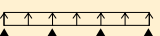
6.3

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 4,37	40 3,57	40 3,09	44 2,76	49 2,52	53 2,34	56 2,18	59 2,03	59 1,83	59 1,66	58 1,52	58 1,30	58 1,14
	I(f), II(f), III(f)	40 2,59	40 2,30	40 2,09	40 1,92	40 1,80	40 1,68	41 1,59	44 1,51	46 1,44	48 1,37	50 1,31	54 1,21	57 1,12
TWO SPAN SUPPORT 	I, II	40 3,80	40 3,24	40 2,90	43 2,67	48 2,50	53 2,34	56 2,18	59 2,03	59 1,83	59 1,66	58 1,52	58 1,30	58 1,14
	III	40 3,38	40 3,24	40 2,90	43 2,67	48 2,50	53 2,34	56 2,18	59 2,03	59 1,83	59 1,66	58 1,52	58 1,30	58 1,14
THREE SPAN SUPPORT 	I, II, III	40 4,37	40 3,57	40 3,09	44 2,76	49 2,52	53 2,34	56 2,18	59 2,03	59 1,83	59 1,66	58 1,52	58 1,30	58 1,14
	I(f), II(f), III(f)	40 3,73	40 3,19	40 2,82	41 2,55	45 2,33	48 2,15	51 2,00	54 1,87	56 1,76	59 1,66	58 1,52	58 1,30	58 1,14

WIND SUCTION LOAD

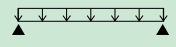
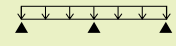
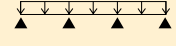
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	I(f)	3,32	2,96	2,70	2,51	2,35	2,20	2,06	1,93	1,82	1,66	1,52	1,30	1,14
	II(f)	2,94	2,66	2,46	2,30	2,16	2,05	1,96	1,87	1,80	1,66	1,52	1,30	1,14
	III(f)	2,46	2,27	2,13	2,01	1,91	1,82	1,74	1,68	1,61	1,56	1,51	1,30	1,14
TWO SPAN SUPPORT 	I	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	II	3,92	3,37	3,04	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	III	2,80	3,54	2,38	2,25	2,16	2,08	2,01	1,96	1,83	1,66	1,52	1,30	1,14
THREE SPAN SUPPORT 	I, II	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	III	3,50	2,98	2,68	2,46	2,31	2,19	2,09	2,01	1,83	1,66	1,52	1,30	1,14

NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

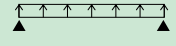
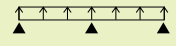
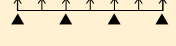
ECOPANEL WLC 40

WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.50$ 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 4,76	40 3,88	43 3,36	48 3,01	53 2,75	57 2,54	58 2,28	59 2,03	59 1,83	59 1,66	58 1,52	58 1,30	58 1,14
	I(f), II(f), III(f)	40 2,62	40 2,33	40 2,12	40 1,95	40 1,82	40 1,71	41 1,61	44 1,53	47 1,45	49 1,38	51 1,32	55 1,22	58 1,13
TWO SPAN SUPPORT 	I, II, III	40 3,63	40 3,12	40 2,81	42 2,60	47 2,44	52 2,32	57 2,22	59 2,03	58 1,82	59 1,66	58 1,52	58 1,30	58 1,14
		60 60	64 64	75 75	85 85	94 94	104 104	113 113	117 117	116 116	117 117	116 116	116 116	116 116
THREE SPAN SUPPORT 	I, II, III	40 4,29	40 3,56	40 3,13	46 2,84	51 2,63	55 2,46	58 2,28	59 2,03	58 1,82	59 1,66	58 1,52	58 1,30	58 1,14
		60 60	68 68	80 80	91 91	101 101	110 110	116 116	117 117	116 116	117 117	116 116	116 116	116 116
	I(f), II(f), III(f)	40 3,79	40 3,24	40 2,87	42 2,58	46 2,36	49 2,18	52 2,02	55 1,89	57 1,78	59 1,66	58 1,52	58 1,30	58 1,14
		60 60	62 62	74 74	83 83	91 91	98 98	103 103	119 119	114 114	117 117	116 116	116 116	116 116

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	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	I(f)	3,37	3,01	2,75	2,55	2,39	2,25	2,10	1,97	1,82	1,66	1,52	1,30	1,14
	II(f)	2,97	2,70	2,49	2,33	2,19	2,08	1,98	1,90	1,80	1,66	1,52	1,30	1,14
	III(f)	2,48	2,29	2,15	2,03	1,93	1,84	1,76	1,69	1,63	1,57	1,52	1,30	1,14
TWO SPAN SUPPORT 	I, II	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	III	3,30	2,94	2,72	2,56	2,44	2,33	2,18	2,03	1,83	1,66	1,52	1,30	1,14
THREE SPAN SUPPORT 	I, II	4,37	3,57	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	III	4,20	3,54	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14
	III(f)	4,06	3,54	3,09	2,76	2,52	2,34	2,18	2,03	1,83	1,66	1,52	1,30	1,14

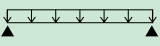
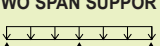
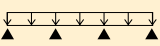
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL WLC 50

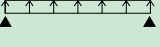
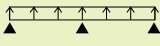
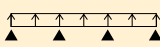


WIND PRESSURE LOAD

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 4,71	40 3,85	40 3,33	43 2,98	47 2,72	50 2,52	54 2,36	57 2,22	60 2,11	63 2,01	66 1,92	65 1,64	66 1,44
	I(f), II(f), III(f)	40 3,13	40 2,77	40 2,52	40 2,32	40 2,17	41 2,04	44 1,92	47 1,82	50 1,74	52 1,66	54 1,59	59 1,47	62 1,36
TWO SPAN SUPPORT 	I, II	40 3,95	40 3,39	40 3,05	40 2,82	45 2,65	50 2,52	54 2,36	57 2,22	60 2,11	63 2,01	66 1,92	65 1,64	66 1,44
	III	40 2,99	40 2,99	40 2,99	40 2,82	45 2,65	50 2,52	54 2,36	57 2,22	60 2,11	63 2,01	66 1,92	65 1,64	66 1,44
THREE SPAN SUPPORT 	I, II, III	40 4,66	40 3,85	40 3,33	43 2,98	47 2,72	50 2,52	54 2,36	57 2,22	60 2,11	63 2,01	66 1,92	65 1,64	66 1,44
	I(f), II(f), III(f)	40 4,46	40 3,82	40 3,33	43 2,98	47 2,72	50 2,52	54 2,36	57 2,22	60 2,11	63 2,01	66 1,92	65 1,64	66 1,44

WIND SUCTION LOAD

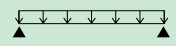
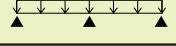
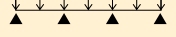
STATIC SYSTEM	COLOR GROUP	UNIFORMLY DISTRIBUTED LOAD (daN/m ²)												
		50	75	100	125	150	175	200	225	250	275	300	350	400
		MAXIMUM ALLOWABLE SPANS (m)												
SINGLE SPAN SUPPORT 	I, II, III	4,71	3,85	3,33	2,98	2,72	2,52	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	I(f)	3,99	3,55	3,24	2,98	2,72	2,52	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	II(f)	3,56	3,22	2,97	2,77	2,61	2,48	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	III(f)	3,02	2,78	2,60	2,45	2,32	2,22	2,12	2,04	1,96	1,90	1,86	1,64	1,44
TWO SPAN SUPPORT 	I	4,71	3,85	3,33	2,98	2,72	2,52	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	II	4,00	3,48	3,16	2,94	2,72	2,52	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	III	2,80	2,59	2,45	2,34	2,25	2,18	2,12	2,06	2,02	1,97	1,92	1,64	1,44
THREE SPAN SUPPORT 	I, II	4,71	3,85	3,33	2,98	2,72	2,52	2,36	2,22	2,11	2,01	1,92	1,64	1,44
	III	3,36	2,92	2,66	2,47	2,34	2,22	2,14	2,06	2,00	1,94	1,89	1,64	1,44

NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

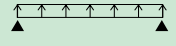
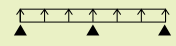
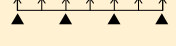
ECOPANEL WLC 50

WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.50$ 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 5,13	40 4,19	42 3,63	46 3,24	51 2,96	55 2,74	58 2,56	62 2,42	65 2,29	65 2,09	65 1,91	65 1,64	66 1,44
	I(f), II(f), III(f)	40 3,18	40 2,82	40 2,56	40 2,36	40 2,20	41 2,06	45 1,95	48 1,85	50 1,76	53 1,68	55 1,61	59 1,48	63 1,38
TWO SPAN SUPPORT 	I, II, III	40 3,76	40 3,26	40 2,96	40 2,75	44 2,59	49 2,47	54 2,36	58 2,28	63 2,21	65 2,09	65 1,91	65 1,64	65 1,43
		60 60	61 61	72 72	81 81	89 89	98 98	107 107	116 116	125 125	130 130	130 130	130 130	130 130
THREE SPAN SUPPORT 	I, II, III	40 4,43	40 3,69	40 3,26	42 2,96	47 2,75	52 2,58	56 2,45	60 2,34	64 2,24	65 2,09	65 1,91	65 1,64	65 1,43
		60 60	63 63	74 74	84 84	94 94	103 103	111 111	120 120	127 127	130 130	130 130	130 130	130 130

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	4,71	3,84	3,33	2,98	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	I(f)	4,06	3,62	3,30	2,98	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	II(f)	3,62	3,27	3,01	2,82	2,65	2,51	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	III(f)	3,04	2,81	2,62	2,48	2,35	2,24	2,15	2,06	1,99	1,92	1,85	1,64	1,44
TWO SPAN SUPPORT 	I	4,71	3,84	3,33	2,98	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	II	4,61	3,84	3,33	2,98	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	III	3,29	3,00	2,80	2,66	2,54	2,45	2,35	2,22	2,10	2,01	1,91	1,64	1,44
THREE SPAN SUPPORT 	I, II	4,71	3,84	3,33	2,98	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44
	III	4,12	3,51	3,14	2,90	2,72	2,52	2,35	2,22	2,10	2,01	1,91	1,64	1,44

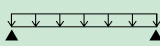
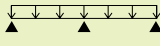
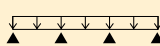
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL WLC 60


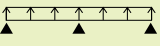
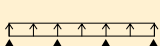


WIND PRESSURE LOAD

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 4,95	40 4,04	40 3,50	40 3,13	44 2,86	48 2,65	51 2,48	54 2,33	57 2,21	60 2,11	62 2,02	67 1,87	71 1,73	
	I(f), II(f), III(f)	40 3,64	40 3,22	40 2,93	40 2,70	40 2,52	73 2,37	46 2,24	49 2,12	52 2,02	55 1,94	57 1,85	61 1,71	66 1,60	
TWO SPAN SUPPORT 	I, II	40 3,98	40 3,44	40 3,12	40 2,90	42 2,74	47 2,60	51 2,48	54 2,33	57 2,21	60 2,11	62 2,02	67 1,87	71 1,73	
	III	40 2,74	40 2,74	40 2,74	40 2,74	42 2,74	47 2,60	51 2,48	54 2,33	57 2,21	60 2,11	62 2,02	67 1,87	71 1,73	
THREE SPAN SUPPORT 	I, II	40 4,68	40 3,90	40 3,44	40 3,13	44 2,86	48 2,65	51 2,48	54 2,33	57 2,21	60 2,11	62 2,02	67 1,87	71 1,73	
	III	40 3,56	40 3,56	40 3,44	40 3,13	44 2,86	48 2,65	51 2,48	54 2,33	57 2,21	60 2,11	62 2,02	67 1,87	71 1,73	

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	4,95	4,04	3,50	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	I(f)	4,63	4,04	3,50	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	II(f)	4,16	3,75	3,45	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III(f)	3,56	3,26	3,04	2,87	2,72	2,59	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
TWO SPAN SUPPORT 	I	4,95	4,04	3,50	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	II	3,95	3,48	3,20	2,99	2,84	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III	2,74	2,58	2,46	2,36	2,29	2,22	2,16	2,12	2,07	2,04	2,00	1,87	1,73	
THREE SPAN SUPPORT 	I	4,95	4,04	3,50	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	II	4,83	4,04	3,50	3,13	2,86	2,65	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III	3,08	2,75	2,54	2,40	2,28	2,19	2,12	2,05	2,00	1,94	1,90	1,82	1,73	

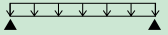
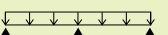
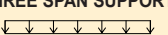
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

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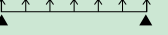
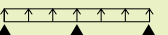



WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.50$ 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 5,39	⁴⁰ 4,40	⁴⁰ 3,81	⁴⁴ 3,41	⁴⁸ 3,11	⁵² 2,88	⁵⁵ 2,70	⁵⁹ 2,54	⁶² 2,41	⁶⁵ 2,30	⁶⁸ 2,20	⁷¹ 1,98	⁷¹ 1,73	
	I(f), II(f), III(f)	⁴⁰ 3,70	⁴⁰ 3,28	⁴⁰ 2,98	⁴⁰ 2,75	⁴⁰ 2,56	⁴³ 2,40	⁴⁷ 2,27	⁵⁰ 2,16	⁵³ 2,05	⁵⁵ 1,96	⁵⁸ 1,88	⁶² 1,74	⁶⁶ 1,62	
TWO SPAN SUPPORT 	I, II	⁴⁰ 3,77	⁴⁰ 3,31	⁴⁰ 3,02	⁴⁰ 2,82	⁴¹ 2,67	⁴⁶ 2,55	⁵⁰ 2,45	⁵⁵ 2,37	⁵⁹ 2,30	⁶³ 2,24	⁶⁷ 2,18	⁷¹ 1,98	⁷¹ 1,73	
	III	⁶⁰ 3,40	⁶⁰ 3,31	⁶⁰ 3,02	⁶⁰ 2,82	⁶⁰ 2,67	⁶⁰ 2,55	⁶⁰ 2,45	⁶⁰ 2,37	⁶⁰ 2,30	⁶⁰ 2,24	⁶⁰ 2,18	⁶⁰ 1,98	⁶⁰ 1,73	
THREE SPAN SUPPORT 	I, II, III	⁴⁰ 4,42	⁴⁰ 3,70	⁴⁰ 3,29	⁴⁰ 3,00	⁴³ 2,79	⁴⁷ 2,63	⁵¹ 2,50	⁵⁵ 2,40	⁵⁹ 2,30	⁶³ 2,22	⁶⁶ 2,16	⁷¹ 1,98	⁷¹ 1,73	
		⁶⁰ 4,42	⁶⁰ 3,70	⁶⁰ 3,29	⁶⁰ 3,00	⁶⁰ 2,79	⁶⁰ 2,63	⁶⁰ 2,50	⁶⁰ 2,40	⁶⁰ 2,30	⁶⁰ 2,22	⁶⁰ 2,16	⁶⁰ 1,98	⁶⁰ 1,73	

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	4,95	4,04	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	I(f)	4,71	4,04	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	II(f)	4,22	3,81	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III(f)	3,59	3,30	3,08	2,90	2,75	2,63	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
TWO SPAN SUPPORT 	I	4,95	4,04	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	II	4,57	3,98	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III	3,20	2,97	2,80	2,68	2,58	2,50	2,43	2,33	2,21	2,11	2,02	1,87	1,73	
THREE SPAN SUPPORT 	I, II	4,95	4,04	3,50	3,13	2,86	2,64	2,48	2,33	2,21	2,11	2,02	1,87	1,73	
	III	3,82	3,33	3,03	2,82	2,66	2,54	2,44	2,33	2,21	2,11	2,02	1,87	1,73	

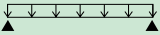
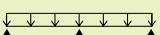
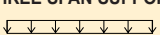
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

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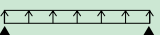
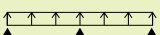
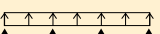


WIND PRESSURE LOAD

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 5,88	40 4,80	43 4,16	48 3,72	52 3,40	56 3,14	60 2,94	64 2,77	67 2,63	71 2,51	74 2,40	80 2,22	85 2,08	
	I(f), II(f), III(f)	40 4,57	40 4,02	40 3,64	43 3,35	48 3,12	53 2,93	57 2,76	60 2,62	64 2,49	67 2,38	70 2,28	75 2,10	80 1,96	
TWO SPAN SUPPORT 	I, II	40 4,91	40 4,24	40 3,84	46 3,56	52 3,35	56 3,14	60 2,94	64 2,77	67 2,63	71 2,51	74 2,40	80 2,22	85 2,08	
	III	60 3,74	69 3,74	81 3,74	92 3,56	103 3,35	112 3,14	120 2,94	127 2,77	134 2,63	141 2,51	147 2,40	159 2,22	170 2,08	
THREE SPAN SUPPORT 	I, II, III	40 5,73	40 4,77	43 4,16	48 3,72	52 3,40	56 3,14	60 2,94	64 2,77	67 2,63	71 2,51	74 2,40	80 2,22	85 2,08	
		60 60	73 73	85 85	95 95	104 104	112 112	120 120	127 127	134 134	141 141	147 147	159 159	170 170	

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	3,53	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	

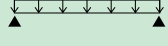
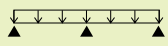
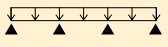
NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²

ECOPANEL WLC 80

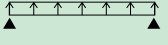
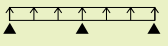
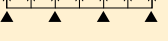


WIND PRESSURE LOAD

STEEL SHEET THICKNESS $t = 0.60/0.50$ 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 6,41	40 5,23	47 4,53	52 4,05	57 3,70	61 3,42	66 3,20	70 3,02	74 2,87	77 2,73	80 2,62	87 2,42	87 2,12
	I(f), II(f), III(f)	40 4,64	40 4,09	40 3,70	44 3,41	49 3,17	54 2,98	58 2,81	61 2,66	65 2,53	68 2,42	71 2,31	76 2,13	81 1,98
TWO SPAN SUPPORT 	I, II, III	40 4,68	40 4,09	40 3,72	45 3,47	51 3,28	56 3,13	62 3,01	67 2,90	72 2,82	77 2,73	80 2,62	87 2,42	87 2,12
		60 6,00	69 5,23	80 4,53	91 3,91	101 3,41	112 3,01	123 2,73	133 2,53	144 2,31	153 2,13	160 1,98	173 1,73	173 1,53
THREE SPAN SUPPORT 	I, II, III	40 5,44	40 4,56	42 4,04	47 3,68	53 3,42	58 3,22	63 3,06	68 2,93	72 2,82	77 2,72	80 2,62	87 2,42	87 2,12
		60 6,00	70 5,23	83 4,53	94 3,91	105 3,41	115 3,01	125 2,73	135 2,53	144 2,31	153 2,13	160 1,98	173 1,73	173 1,53

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
	II(f)	5,34	4,79	4,16	3,72	3,40	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08
	III(f)	4,60	4,21	3,91	3,67	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	5,73	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	4,13	3,78	3,55	3,38	3,24	3,12	2,94	2,77	2,63	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	5,00	4,30	3,88	3,60	3,38	3,14	2,94	2,77	2,63	2,51	2,40	2,22	2,08

NOTE: 1 daN/m² = 1,02Kp = 1,02Kgr/m²