

## Allowable Carrier and Strut Spacing

Metal Panel Wind Loads Exterior Soffits

### POSITIVE WIND PRESSURE TABLES

Allowable Carrier Spacing (in.)								Allowable Strut Spacing (in.)							
Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)						Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)					
		10	20	30	40	50	60			10	20	30	40	50	60
4 in. Planar® Round Edge	0.025	36	36	36	36	36	34	4 in. Planar® Round Edge	0.025	36	36	30	26	23	22
4 in. Planar® Plus Round Edge	0.025	36	36	36	36	36	36	4 in. Planar® Plus Round Edge	0.025	36	36	30	26	23	21
4 in. Planar® Square Edge	0.025	36	36	36	34	31	28	4 in. Planar® Square Edge	0.025	36	36	30	26	25	24
4 in. Planar® Plus Square Edge	0.025	36	36	36	36	36	36	4 in. Planar® Plus Square Edge	0.025	36	36	30	26	23	21
4 in. Planar® Macro	0.025	36	36	36	36	36	36	4 in. Planar® Macro	0.025	36	36	30	26	23	21
4 in. Planar® Macro	0.032	36	36	36	36	36	36	4 in. Planar® Macro	0.032	36	36	30	26	23	21
6 in. Planar® Macro	0.025	36	36	36	36	36	34	6 in. Planar® Macro	0.025	36	36	30	26	23	21
6 in. Planar® Macro	0.032	36	36	36	36	36	36	6 in. Planar® Macro	0.032	36	36	30	26	23	21
8 in. Planar® Macro	0.025	36	36	36	36	33	30	8 in. Planar® Macro	0.025	36	36	30	26	24	23
8 in. Planar® Macro	0.032	36	36	36	36	36	36	8 in. Planar® Macro	0.032	36	36	30	26	23	21

Notes:

1. Loads imposed on the soffit system include self-weight and wind loads only; No allowance has been made for any additional loads
2. A three-span minimum is required for panels and carriers; Maximum carrier spacing = 36 in.; Maximum strut spacing = 36 in.
3. Interpolation between values is acceptable
4. For Rockfon® Planar® Macroplus® panels use the equivalent width and thickness Rockfon Planar Macro panel data. (Revision 1 - January 19, 2012)

### POSITIVE WIND PRESSURE TABLES

Allowable Carrier Spacing (in.)								Allowable Strut Spacing (in.)							
Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)						Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)					
		80	100	120	140	160	180			80	100	120	140	160	180
4 in. Planar® Round Edge	0.025	29	26	24	22	21	19	4 in. Planar® Round Edge	0.025	20	19	18	18	17	16
4 in. Planar® Plus Round Edge	0.025	31	27	25	23	22	20	4 in. Planar® Plus Round Edge	0.025	20	19	18	17	16	16
4 in. Planar® Square Edge	0.025	24	22	20	18	17	16	4 in. Planar® Square Edge	0.025	22	21	20	19	19	18
4 in. Planar® Plus Square Edge	0.025	31	28	26	24	22	21	4 in. Planar® Plus Square Edge	0.025	19	18	18	17	16	16
4 in. Planar® Macro	0.025	36	32	29	27	26	24	4 in. Planar® Macro	0.025	18	17	16	16	15	15
4 in. Planar® Macro	0.032	36	36	34	31	29	28	4 in. Planar® Macro	0.032	18	16	15	15	14	14
6 in. Planar® Macro	0.025	30	27	24	23	21	20	6 in. Planar® Macro	0.025	20	19	18	17	17	16
6 in. Planar® Macro	0.032	33	30	27	25	24	22	6 in. Planar® Macro	0.032	19	18	17	16	16	15
8 in. Planar® Macro	0.025	26	23	21	20	18	17	8 in. Planar® Macro	0.025	21	20	19	19	18	17
8 in. Planar® Macro	0.032	31	27	25	23	22	20	8 in. Planar® Macro	0.032	20	19	18	17	16	16

Notes:

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Registered in the United States of America.

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**NEGATIVE WIND PRESSURE TABLES**

Allowable Carrier Spacing (in.)								Allowable Strut Spacing (in.)							
Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)						Ceiling Panel Type	Thickness (in.)	Design Wind Pressure (PSF)					
		10	20	30	40	50	60			10	20	30	40	50	60
4 in. Planar® Round Edge	0.025	36	36	32	27	25	22	4 in. Planar® Round Edge	0.025	36	32	28	26	25	24
4 in. Planar® Plus Round Edge	0.025	36	36	36	36	32	30	4 in. Planar® Plus Round Edge	0.025	36	32	26	23	22	21
4 in. Planar® Square Edge	0.025	36	33	27	23	21	19	4 in. Planar® Square Edge	0.025	36	34	30	28	27	26
4 in. Planar® Plus Square Edge	0.025	36	36	36	31	28	25	4 in. Planar® Plus Square Edge	0.025	36	32	26	25	23	22
4 in. Planar® Macro	0.025	36	36	30	26	23	21	4 in. Planar® Macro	0.025	36	32	29	27	25	24
4 in. Planar® Macro	0.032	36	36	36	36	32	29	4 in. Planar® Macro	0.032	36	32	26	23	22	21
6 in. Planar® Macro	0.025	36	31	25	22	19	18	6 in. Planar® Macro	0.025	36	35	32	29	28	27
6 in. Planar® Macro	0.032	36	36	32	27	25	22	6 in. Planar® Macro	0.032	36	32	28	26	25	24
8 in. Planar® Macro	0.025	36	30	24	21	19	17	8 in. Planar® Macro	0.025	36	35	32	30	28	27
8 in. Planar® Macro	0.032	36	36	31	27	24	22	8 in. Planar® Macro	0.032	36	32	28	26	25	24

Notes:

1. Loads imposed on the soffit system include self-weight and wind loads only; No allowance has been made for any additional loads
2. A three-span minimum is required for panels and carriers; Maximum carrier spacing = 36 in.; Maximum strut spacing = 36 in.
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4. For Rockfon® Planar® Macroplus® panels use the equivalent width and thickness Rockfon Planar Macro panel data. (Revision 1 - January 19, 2012)

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4 in. Planar® Round Edge	0.025	19	17	16	15	14	13	4 in. Planar® Round Edge	0.025	22	21	20	19	18	18
4 in. Planar® Plus Round Edge	0.025	26	23	21	19	18	17	4 in. Planar® Plus Round Edge	0.025	19	18	17	17	16	16
4 in. Planar® Square Edge	0.025	17	15	13	12	12	11	4 in. Planar® Square Edge	0.025	24	23	22	21	20	19
4 in. Planar® Plus Square Edge	0.025	22	20	18	17	16	15	4 in. Planar® Plus Square Edge	0.025	21	19	19	18	17	17
4 in. Planar® Macro	0.025	18	16	15	14	13	12	4 in. Planar® Macro	0.025	23	21	20	20	19	18
4 in. Planar® Macro	0.032	25	23	21	19	18	17	4 in. Planar® Macro	0.032	19	18	17	17	16	16
6 in. Planar® Macro	0.025	15	14	13	12	11	10	6 in. Planar® Macro	0.025	25	23	22	21	21	20
6 in. Planar® Macro	0.032	19	17	16	15	14	13	6 in. Planar® Macro	0.032	22	21	20	19	18	18
8 in. Planar® Macro	0.025	15	13	12	11	11	10	8 in. Planar® Macro	0.025	25	24	23	22	21	20
8 in. Planar® Macro	0.032	19	17	16	14	13	13	8 in. Planar® Macro	0.032	22	21	20	19	19	18

Notes:

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4. For Rockfon® Planar® Macroplus® panels use the equivalent width and thickness Rockfon Planar Macro panel data. (Revision 1 - January 19, 2012)

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