AD300 / AD300R

Load Table

Cladding

Allowable Uniformly Distributed Negative Wind Loads

ASD - Allowable Stress Design

Imperial			Metric		
Support spacing [in]	Without sidelap stitch screw [psf]	With sidelap stitch screw [psf]	Support/purlin spacing [mm]	Without sidelap stitch screw [kPa]	With sidelap stitch screw [kPa]
12	**28.9**	**93.1**	**305**	**1.4**	**4.5**
16	28.2	87.4	406	1.3	4.2
18	27.8	84.5	457	1.3	4.0
20	27.5	81.7	508	1.3	3.9
24	26.8	76.0	610	1.3	3.6
30	25.7	67.4	762	1.2	3.2
36	24.6	58.8	914	1.2	2.8
42	23.6	50.3	1067	1.1	2.4
48	**22.5**	**41.7**	**1219**	**1.1**	**2.0**

Factored Uniformly Distributed Negative Wind Loads

LRFD - Load and Resistance Factor Design

Imperial			Metric		
Support spacing [in]	Without sidelap stitch screw [psf]	With sidelap stitch screw [psf]	Support/purlin spacing [mm]	Without sidelap stitch screw [kPa]	With sidelap stitch screw [kPa]
12	**46.2**	**149.0**	**305**	**2.2**	**7.1**
16	45.1	139.8	406	2.2	6.7
18	44.5	135.2	457	2.1	6.5
20	44.0	130.7	508	2.1	6.3
24	42.8	121.5	610	2.1	5.8
30	41.1	107.8	762	2.0	5.2
36	39.4	94.1	914	1.9	4.5
42	37.7	80.4	1067	1.8	3.9
48	**36.0**	**66.7**	**1219**	**1.7**	**3.2**

Notes:

1 Material thickness: 22ga (0.75mm / 0.030in)
Material: ASTM A653/A653M, Galvanized Z275 / G90, or ASTM A792 / A792M, Galvalume AZ50 / AZM150.
Steel grade 33 ksi /230 MPa.

2 Load tables are derived from ASTM E1592 load testing on AD300 22ga. Values in bold are tested values, and the rest are interpolated.

3 Uniform loads are based on safety factor Ω = 2.00 for ASD and resistance factor ø = 0.80 for LRFD, per the North American Cold-Formed Steel Structural Members Design Standard.

4 Use #1/4-14 Hex-Washer-Head fasteners for attachment to supports and for sidelap stitch screws.

5 Spacing of sidelap stitch screws to match supports spacing.

6 Fastener attachment to supports and subframing requirements are not considered in the tables and must be checked by qualified designer.

7 Consult Vicwest representative for project specific requirements.

8 Load Tables are a subject to change without notice.

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