

**SUMMARY DATA**

**ICC-ES AC49 (Approved August 2013)**

**Acceptance Criteria for Molded Plastic Footing Pads**

**Section 4.5: Allowable Vertical Load Test**

Client: EverStrong Structures Corp  
Job Number: FEAB112024-77  
Test Location: *ICC NTA*  
*Nappanee, Indiana*

Performed By: Adam Polhemus  
Witnessed By: Joe Springer

**General:**

Date Received: 11/15/2024  
Test Date: 12/19/2024

**Product Description:**

Manufacturer: EverStrong Structures Corp.  
Trade Name: Ever-Jack  
Material Description: Fiber Reinforced Polymer (FRP)

Shape: Round

**Substrate Description:**

Manufacturer: N/A

Trade Name: Rigid test surface

Description: Steel Plate

Material Density: pcf

Soil Class:

Soil Load Bearing Value:

**Apparatus:** Asset No.

Load Frame: 00140

Load Cell: 00151

Load Fixture: 04280

Load Fixture Size: 3.375-in. x 3.375-in.

**Test Data Summary**

Specimen Number	Substrate k value (psi/in.)	Eccentricity of Load (in.)	Maximum	Maximum	Percent	Load at	Soil Load Rating <sup>b</sup> (lbf)
			Load (lbf)	Load/3 (lbf)	Variance of Max Load (%)	0.75-in. <sup>a</sup> Deflection (lbf)	
165539		0.00	23,005	7,668	7%	N/A	
165540		0.00	26,538	8,846	7%	N/A	
Averages:			24,771	8,257	--	N/A	N/A

<sup>a</sup> Corrected, as applicable, for a "toe" in the load-deflection data.

<sup>b</sup> Soil load rating is the load applied through the specimen which achieves the soil load bearing capacity. i.e. 750 lbf/0.5 ft.<sup>2</sup>=1,500 psf

NR = Not Reached

**Allowable Concentrated Load\* : N/A lbf by Load at 0.75-in deflection**

\*The allowable concentrated load for a pad is the lesser of the average maximum load/3, the average load at 0.75-in deflection, or the soil load rating. The allowable load may be determined based on the lower result from two specimens which differ by less than 5%, the average of three tests where no specimens vary more than 15% from the average (or the lowest value may be used regardless of variance), or the average of five specimens regardless of variance.

This summary contains only data arrived at after employing the specific test procedures listed herein. This summary data might not include all reporting requirements of the test standard. The data herein does not constitute a recommendation for, endorsement of, or certification of the product or material tested. ICC NTA makes no warranty, expressed or implied, except that the test has been performed, and data prepared, based upon the specimen furnished by the client. Extrapolation of data, from the test data provided herein, to the batch or lot from which the specimens were obtained may not correlate and should be interpreted with extreme caution. ICC NTA assumes no responsibility for variations in quality, composition, appearance, performance, or other features of similar materials produced by the client, other persons, or under conditions over which ICC NTA has no control. ICC NTA has issued this data summary for the exclusive use of the client to whom it is addressed. Any use or duplication of this summary shall not be made without their consent. This summary shall only be reproduced in its entirety.

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**Section 4.5: Allowable Vertical Load Test**  
**Specimen 1**

Client: EverStrong Structures Corp  
Job Number: FEAB112024-77  
Test Location: *ICC NTA*  
*Nappanee, Indiana*

Performed By: Adam Polhemus  
Witnessed By: Joe Springer  
Test Date: 12/19/2024

<b>Ambient Conditions:</b>			<b>Apparatus:</b>	Asset No.
Ambient Temp.:	71.4	°F	Load Frame:	00140
Ambient R.H.:	41.9	%	Load Cell:	00151
Sensor Asset No.:	00586		Load Fixture:	04280

Load Eccentricity: 0.00 in  
Pad Diameter: 18.94 in  
Pad Area: 1.956 ft<sup>2</sup>  
Load Rate: lbf/minute

	Load Pt.	Edge Near Load Pt.	Edge Away Load Pt.
Load (lbf)	Deflection Gauge A (in.)	Deflection Gauge B (in.)	Deflection Gauge C (in.)
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000

Load at 0.75-in Deflection: N/A lbf (Corrected, as applicable, for a toe in the load-deflection data)  
Maximum Load: 23,005 lbf  
Soil Load Capacity: lbf  
Mode of Failure: *Cap bolt split/mushroom failure.*

Simulated Soil  
K-Value:  
Class:  
Load Rating: psf  
Description: 0

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**Specimen 2**

Client: EverStrong Structures Corp  
Job Number: FEAB112024-77  
Test Location: *ICC NTA*  
*Nappanee, Indiana*

Performed By: Adam Polhemus  
Witnessed By: Joe Springer  
Test Date: 12/19/2024

<b>Ambient Conditions:</b>			<b>Apparatus:</b>	Asset No.
Ambient Temp.:	71.2	°F	Load Frame:	00140
Ambient R.H.:	42.4	%	Load Cell:	00151
Sensor Asset No.:	00586		Load Fixture:	04280

Load Eccentricity: 0.00 in  
Pad Diameter: 15.94 in  
Pad Area: 1.385 ft<sup>2</sup>  
Load Rate: lbf/minute

	Load Pt.	Edge Near Load Pt.	Edge Away Load Pt.
Load (lbf)	Deflection Gauge A (in.)	Deflection Gauge B (in.)	Deflection Gauge C (in.)
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000
0	0.000	0.000	0.000

Load at 0.75-in Deflection: N/A lbf (Corrected, as applicable, for a toe in the load-deflection data)  
Maximum Load: 26,538 lbf  
Soil Load Capacity: lbf  
Mode of Failure: *Cap bolt split/mushroom failure.*

Simulated Soil  
K-Value:  
Class:  
Load Rating: psf  
Description: 0

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