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: FEAB010725-96
Test Location: *ICC NTA*
Nappanee, Indiana

Performed By: Adam Polhemus
Witnessed By: Joe Springer

General:
Date Received: 2/7/2025
Test Date: 2/27/2025

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

Shape: Round

Apparatus: Asset No.
Load Frame: 00140
Load Cell: 00151
Load Fixture: 04280
Load Fixture Size: 3.375-in. x 3.375-in.

Substrate Description:
Manufacturer: N/A
Trade Name: Ridgid Test Surface
Description: Steel Plate

Material Density: pcf
Soil Class:
Soil Load Bearing Value:

Test Data Summary

Specimen Number	Substrate k value (psi/in.)	Eccentricity of Load (in.)	Maximum Load (lbf)	Maximum Load/3 (lbf)	Percent Variance of Max Load (%)	Load at 0.75-in.[a] Deflection (lbf)	Soil Load Rating[b] (lbf)
166245		0.00	26,191	8,730	3%	N/A	
166246		0.00	24,886	8,295	2%	N/A	
166247		0.00	25,357	8,452	0%	N/A	
		Averages:	25,478	8,493	--	N/A	N/A

[a] Corrected, as applicable, for a "toe" in the load-deflection data.

[b] Soil load rating is the load applied through the specimen which achieves the soil load bearing capacity. i.e. 750 lbf/0.5 ft.^{2}=1,500 psf
NR = Not Reached

Allowable Concentrated Load*: 8,493 lbf by Average Maximum Load/3

*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.

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Acceptance Criteria for Molded Plastic Footing Pads
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Specimen 1

Client: EverStrong Structures Corp
Job Number: FEAB010725-96
Test Location: *ICC NTA*
Nappanee, Indiana

Performed By: Adam Polhemus
Witnessed By: Joe Springer
Test Date: 2/27/2025

Ambient Conditions:

Ambient Temp.:	71.6	ºF
Ambient R.H.:	49.6	%
Sensor Asset No.:	00586	

Apparatus:

	Asset No.
Load Frame:	00140
Load Cell:	00151
Load Fixture:	04280

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

Load (lbf)	Load Pt. Deflection Gauge A (in.)	Edge Near Load Pt. Deflection Gauge B (in.)	Edge Away Load Pt. 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
26,191	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: 26,191 lbf
Soil Load Capacity: lbf
Mode of Failure: *Cap bolt split, mushroom failure.*

Simulated Soil
K-Value:
Class: 0
Load Rating: psf
Description: Steel plate test surface.

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Acceptance Criteria for Molded Plastic Footing Pads
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Specimen 2

Client: EverStrong Structures Corp
Job Number: FEAB010725-96
Test Location: *ICC NTA*
Nappanee, Indiana

Performed By: Adam Polhemus
Witnessed By: Joe Springer
Test Date: 2/27/2025

Ambient Conditions:

Ambient Temp.:	71.9	ºF
Ambient R.H.:	49.2	%
Sensor Asset No.:	00586	

Apparatus:

	Asset No.
Load Frame:	00140
Load Cell:	00151
Load Fixture:	04280

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

Load (lbf)	Load Pt. Deflection Gauge A (in.)	Edge Near Load Pt. Deflection Gauge B (in.)	Edge Away Load Pt. 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
24,886	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: 24,886 lbf
Soil Load Capacity: lbf
Mode of Failure: *Break inside of threaded base to cap bolt connection.*

Simulated Soil
K-Value: 0.0
Class: 0
Load Rating: psf
Description: Steel plate test surface.

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Specimen 3

Client: EverStrong Structures Corp
Job Number: FEAB010725-96
Test Location: *ICC NTA*
Nappanee, Indiana

Performed By: Adam Polhemus
Witnessed By: Joe Springer
Test Date: 2/27/2025

Ambient Conditions:

Ambient Temp.:	71.2	ºF
Ambient R.H.:	49.4	%
Sensor Asset No.:	00586	

Apparatus:

	Asset No.
Load Frame:	00140
Load Cell:	00151
Load Fixture:	04280

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

Load (lbf)	Load Pt. Deflection Gauge A (in.)	Edge Near Load Pt. Deflection Gauge B (in.)	Edge Away Load Pt. 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
25,357	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: 25,357 lbf
Soil Load Capacity: lbf
Mode of Failure: *Cap bolt split, mushroom failure.*

Simulated Soil
K-Value: 0.0
Class: 0
Load Rating: psf
Description: Steel plate test surface.

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