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

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: Rigid 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)
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

[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[*]: 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.

ICC-ES AC49 (Approved August 2013)
Acceptance Criteria for Molded Plastic Footing Pads
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

Ambient Conditions:

Ambient Temp.:	71.4	ºF
Ambient R.H.:	41.9	%
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
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

ICC-ES AC49 (Approved August 2013)
Acceptance Criteria for Molded Plastic Footing Pads
Section 4.5: Allowable Vertical Load Test
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

Ambient Conditions:

Ambient Temp.:	71.2	ºF
Ambient R.H.:	42.4	%
Sensor Asset No.:	00586	

Apparatus:

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

Load Eccentricity:	0.00	in
Pad Diameter:	15.94	in
Pad Area:	1.385	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
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