



HB&G Technical Bulletin

Date: September 1, 2016
 Technical Bulletin – 00002H

Subject: Average Allowable Loads

The allowable loads for fiberglass are based on the columns being eccentrically (offset) loaded 0.167 times the width/diameter of the column (based on AC208 and 2015 IBC/IRC). Concentrically loaded columns will bear larger loads. The Average Allowable Load has been tested to a Five Times Safety Factor.

PermaCast® Round*

Column Size	Avg. Allowable Load (lbs)
6"	4580
8"	4600
10"	4690
12"	4800
14"	7800
16"	8250
18"	10000
20"	10000
22"	10000
24"	10000
28"	10000
30"	10000

*Includes Fluted

PermaCast® Round NT

Column Size	Avg. Allowable Load (lbs)
6"	4580
8"	4590
10"	4670
12"	4750
14"	7000
16"	7000
18"	7000
24"	9000

PermaLite® Round

Column Size	Avg. Allowable Load (lbs)
8"	4000
10"	4000

PermaCast® Square*

Column Size	Avg. Allowable Load (lbs)
6"	5100
8"	5150
10"	5640
12"	5900
14"	8500
16"	9500

*Includes Recessed Panel and Fluted Square

PermaCast® Craftsman

Column Size	Avg. Allowable Load (lbs)
10" x 6" x 66"	9000
10" x 8" x 66"	9000
10.25" x 7.5" x 7'	7000
12" x 10" x 6'	8000
12" x 10" x 10'	8000
14" x 12" x 9'	8000
16" x 9" x 58"	9000
16" x 9" x 6'	9000
16" x 9" x 8'	9000
16" x 12" x 58"	9000
16" x 12" x 6'	9000
16" x 12" x 8'	9000

PermaLite® Square*

Column Size	Avg. Allowable Load (lbs)
6"	3000
8"	3000
10"	3000
12"	3000

*Includes Recessed Panel Square



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RigidWrap™ cPVC Column

Column Size	Structural Load Capacity (lbs)
6"	4350
8"	4350
10"	4350
12"	4350

Round Wood Columns

Column Size	Structural Load Capacity (lbs)
6"	2000
8"	3200
10"	4200
12"	5100

PermaPost®

Post Size	Structural Load Capacity (lbs)
5" Colonial	1300
6" Colonial	5000
5" Square	5000
6" Chamfered	5000

Wood Porch Posts

Column Size	Structural Load Capacity (lbs)
4"	1000
5"	3000
6"	5800

ALUMINUM COLUMNS

Round Fluted Columns

Column Size	Structural Load Capacity (lbs)
6"	20000
8"	20000
10"	26000
12"	26000

Square Fluted Columns

Column Size	Structural Load Capacity (lbs)
4"	11000
6"	12000
8"	9000
10"	17000

Heritage Square Recessed Panel Columns

Column Size	Structural Load Capacity (lbs)
6"	24000
8"	23000

Elite and Legend Plain Columns

Column Size	Structural Load Capacity (lbs)
6"	17000
8"	14000