

The **PERMA**Cast® Column Collection

- Weather Proof
- Insect Proof
- Load Bearing
- Low Maintenance
- PermaFlashing

- PermaPrimed Tuscan Cap and Base
- Ready for Paint
- Lifetime Warranty
- Custom Fluting Available



14" Round PermaCast® Column with
Temple of the Winds Capital

Architectural Accuracy

In the first century B.C., Vitruvius, a Roman architect and engineer, wrote what has become the most influential work on classic form. In it he elaborates on the discovery by the ancient Greeks of entasis, a gradual tapering of the upper two-thirds of the round column which offsets the undesirable illusion from eye level that the column shaft grows larger as it ascends. HB&G round columns hold true to this classic form.

HB&G PermaCast® Columns are available in round or square. The round columns are fluted, or plain, with or without the classic tapering of the upper two-thirds of the column. Square columns are available in a variety of styles as well, including plain or fluted, applied panel,

recessed panel, or the craftsman style column. The PermaCast® capitals and bases are made from durable low-maintenance materials, and like the columns, they maintain architectural authenticity and historical accuracy.



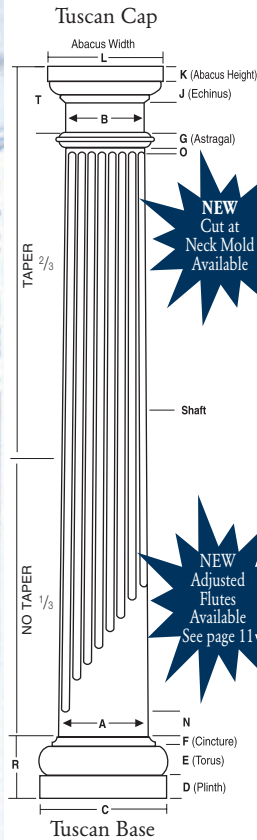
Round Barrel (page 10) Round Plain (page 10) Round Fluted (page 10) Round No-Taper (page 11) Square Fluted (page 12) Square Recessed Panel (page 13) Square Applied Panel (page 12) Plain Square (page 12) Craftsman (page 14)

PermaFlashing
Tuscan Cap
Installation Kit

PermaCast® Flashing* and Column Installation Kit Now Included FREE with Tuscan Cap and Base Set *Patent Pending



Round PERMACast® Columns



ROUND PERMACAST® COLUMN DIMENSIONS (IN INCHES)*

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTH AVAIL. (ft)
6"	5 5/8"	4 3/8"	9"	1 1/16"	1 1/16"	3/16"	3/4"	1 1/4"	1 3/8"	8"	1"	6 1/4"	3 1/16"	4 1/16"	6,8
8"	7 3/8"	6 1/4"	10 1/2"	1 3/8"	1 3/4"	3/4"	3/4"	1 1/4"	1 1/2"	9 1/4"	1/2"	2 1/4"	4 3/8"	4 1/2"	5,6,8,9,10
10"	9 3/8"	8 3/8"	13 1/8"	2 3/8"	2 1/8"	3/4"	3/4"	1 1/4"	1 1/4"	11 1/4"	3/8"	2 1/4"	5 1/4"	5"	8,9,10,12
12"	11 1/8"	9 3/8"	16 1/2"	2 7/8"	2 3/8"	7/8"	1 1/16"	1 1/4"	2 1/4"	13 3/4"	3/4"	2 3/8"	6 3/8"	5 3/4"	6,8,9,10,12,14,16,18
14"	13 3/8"	11 3/8"	19 1/2"	3 3/8"	3 3/8"	1 1/8"	7/8"	2"	2 7/8"	17"	7/8"	2 5/8"	7 3/8"	7"	8,9,10,12,14,16,18
16"	15 3/4"	13 3/8"	22 1/8"	4"	3 3/2"	1 1/8"	1"	2 1/4"	3"	19 3/4"	1"	3"	8 3/8"	8"	8,10,12,14,16,18,20
18"	17 1/2"	15 3/8"	24 3/8"	4"	4"	1 3/8"	1 1/8"	2 3/4"	3 3/8"	22 3/4"	1 1/4"	10 3/4"	9 3/8"	8 3/4"	10,12,14,16,18,20,22,24,26
20"	19 1/2"	17 1/16"	27"	4 3/4"	4 1/2"	2"	1 1/16"	2 7/8"	3 3/8"	24 15/16"	1 1/4"	10 3/4"	11 1/4"	9"	18,20,22,24
22"	21 1/8"	19 1/4"	30 1/4"	5 3/8"	4 3/8"	2"	1 7/8"	3"	3 3/4"	27 1/2"	1 1/4"	10 3/4"	12 1/4"	10 3/4"	16,18,20,22,24,26
24"	23 3/8"	21 1/4"	33 1/2"	5 7/8"	5 1/4"	2 3/16"	2 3/16"	3 1/2"	4 1/16"	30 1/2"	1 1/4"	10 3/4"	13 3/16"	11 3/16"	14,16,18,20,22,24,26,28,30
26"	26"	22 3/4"	35"	6 1/4"	5 3/8"	2 3/4"	2"	3"	4 3/8"	31 1/2"	1 1/4"	10 3/4"	14 3/8"	11 3/8"	20,22,24,26
28"	28"	24 1/4"	38"	6 3/4"	6"	2 3/4"	2 1/8"	3 3/4"	4 3/4"	33 3/8"	1 1/4"	10 3/4"	15 1/2"	11 3/4"	20,22,24,26,28
30"	29 3/8"	26 1/2"	41 1/8"	6 7/8"	5 7/8"	2 1/2"	3 3/16"	4"	4 3/8"	38 3/4"	1 1/4"	10 3/4"	14 7/8"	14 7/8"	20,22,24,26,28,30
36"	36"	30 3/8"	48 3/4"	8 3/4"	7 3/4"	3 3/8"	2"	4 3/4"	6 1/4"	42 3/4"	1 1/4"	10 3/4"	20 3/8"	13 3/8"	20,22,24,26,28,30

*There may be a variance of up to 1/4" in all dimensions. Fluted columns available in all diameters. Plain ROUND PermaCast® columns can be trimmed at least 24" with the following exceptions 6"x 6'-8", 14"x 9'-12", 16"x 8'-16", 18"x 10'-6". Custom sizes available, contact the HB&G architectural department. See page 24 for Ornamental capital dimensions.

BARREL PERMACAST® COLUMN DIMENSIONS (IN INCHES)*

Col. Size	A	B	Diameter	C	D	E	F	G	J	K	L	O	N	R	T	Length Avail. (ft)
10"	9 3/16"	10 1/8"	12"	12 3/4"	2 1/2"	2 1/4"	3/4"	1"	1 1/2"	2 1/4"	14 3/4"	N/A	N/A	5 1/2"	5"	8',10'

*There may be a variance of up to 1/4" in all dimensions.

ROUND & SQUARE PERMACAST® LOAD BEARING SPECIFICATIONS

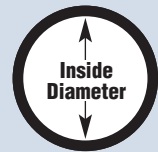
Split columns are not load bearing

COLUMN DIAMETER	STRUCTURAL LOAD
6"	8,000 lbs. Max
8"	10,000 lbs. Max
10"	14,000 lbs. Max
12"	18,000 lbs. Max
14"	20,000 lbs. Max
16"	20,000 lbs. Max
18"	20,000 lbs. Max
20"	20,000 lbs. Max
22"	20,000 lbs. Max
26"	20,000 lbs. Max
28"	20,000 lbs. Max
30"	20,000 lbs. Max
36"	20,000 lbs. Max

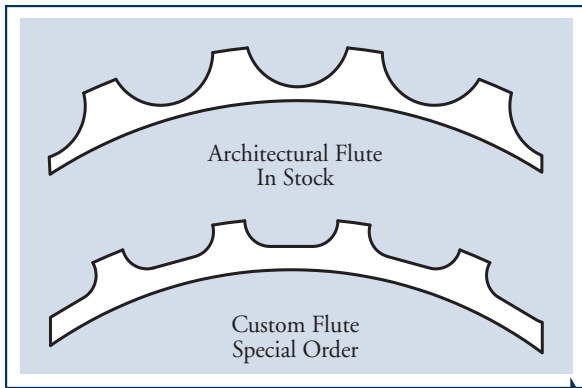
ROUND PERMACAST® INSIDE DIMENSIONS

Inside diameter may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

COLUMN SIZE	TOP I.D.	BOT I.D.
6"	3 3/8"	4 1/8"
8"	5 1/2"	6 3/8"
10"	7 3/8"	8 3/8"
12"	8 3/8"	10 3/8"
14"	10 3/8"	12 3/8"
16"	12 3/8"	15"
18"	14 3/8"	16 3/8"
20"	16 3/8"	19"
22"	18 3/8"	20 3/8"
24"	20 3/8"	22 3/8"
26"	21"	24 1/2"
28"	22"	26 1/2"
30"	25 1/4"	28 3/8"
36"	28"	34 1/2"
Barrel	7 1/2"	8 1/2"



Fluted Round **PERMA**Cast® Columns

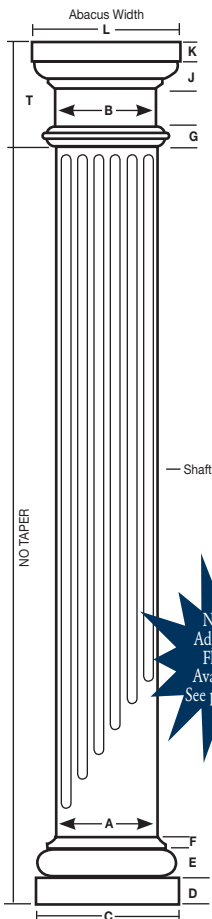


HB&G NOW OFFERS TWO DISTINCTIVE TYPES OF FLUTES.



Architectural Flute: Available in diameters of 8" x 8' – 16" x 18' columns. (see price guide for specific lengths available) The architectural flute is part of the manufacturing process and cannot be altered.

Custom Flute: The custom flute is milled after the column is manufactured and can be modified to your specific length. All round PermaCast columns, 6" x 8' – 36" x 30', are available with an optional custom flute. (Call a customer service representative for pricing and lead times)



PermaCast® No Taper column with Tuscan cap and base.

Round No-Taper **PERMA**Cast® Columns

ROUND NO-TAPER PERMACAST® COLUMN DIMENSIONS (IN INCHES)

Col. Size	A	B	C	D	E	F	G	J	K	L	Length Avail. (ft.)
8"	7 ⁵ / ₈ "	7 ⁵ / ₈ "	10 ¹ / ₂ "	1 ⁷ / ₈ "	1 ³ / ₄ "	3/4"	3/4"	1 ¹ / ₄ "	1 ¹ / ₂ "	10 ⁵ / ₈ "	8,10
10"	9 ⁵ / ₈ "	9 ³ / ₈ "	13 ¹ / ₈ "	2 ³ / ₈ "	2 ¹ / ₈ "	3/4"	3/4"	1 ¹ / ₄ "	1 ³ / ₄ "	12 ¹³ / ₁₆ "	8,10,12
12"	11 ⁵ / ₈ "	11 ⁵ / ₈ "	16 ¹ / ₂ "	2 ⁷ / ₈ "	2 ³ / ₈ "	7/8"	1 ³ / ₁₆ "	1 ³ / ₄ "	2 ¹ / ₄ "	15 ⁷ / ₈ "	8,10,12
14"	13 ⁵ / ₈ "	13 ⁵ / ₈ "	19 ¹ / ₂ "	3 ³ / ₈ "	3 ¹ / ₈ "	1 ¹ / ₈ "	7/8"	2"	2 ⁷ / ₈ "	19 ¹ / ₈ "	8,10,12,14
16"	15 ³ / ₄ "	15 ³ / ₄ "	22 ¹ / ₈ "	4"	3 ¹ / ₂ "	1 ¹ / ₈ "	1"	2 ¹ / ₄ "	3"	22"	8,10,12,14,16,18,20
18"	17 ¹ / ₂ "	17 ¹ / ₂ "	24 ⁵ / ₈ "	4"	4"	1 ⁵ / ₈ "	1 ¹ / ₈ "	2 ³ / ₄ "	3 ¹ / ₈ "	24 ⁵ / ₈ "	10,12,14,16,18,20
24"	24"	24"	32 ¹ / ₂ "	5 ³ / ₄ "	5 ¹ / ₄ "	2 ³ / ₁₆ "	2 ³ / ₁₆ "	3 ¹ / ₄ "	4 ³ / ₄ "	33 ³ / ₈ "	10,12,14,16,18,20

Custom sizes available, contact the HB&G architectural department.
Neck mold not included.

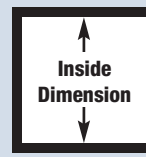
Square PERMACast® Columns

SQUARE PERMACAST® INSIDE DIMENSIONS





Inside dimensions may vary up to $1/8"$.
Splitting a column will decrease inside dimension $1/8"$.

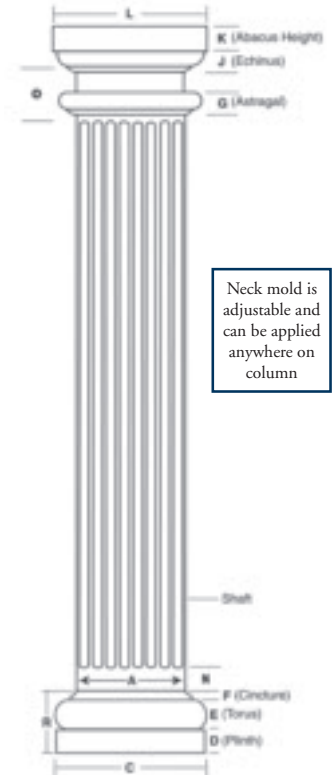
COL. SIZE	INSIDE
6"	$5\frac{1}{4}"^*$
8"	$6\frac{7}{8}"$
10"	9"
12"	11"
16"	$14\frac{3}{4}"$

*Inside is Round



MOLDING FOR SQUARE PERMACAST®

	Length: 8' No. 54502 $\frac{1}{2}" \times 1"$		Length: 10' No. 54503 $1" \times 1"$
	Length: 10' No. 54504 $\frac{3}{4}" \times 1"$		Length: 10' No. 54505 $\frac{3}{4}" \times 1\frac{15}{16}"$



Neck mold is adjustable and can be applied anywhere on column

PermaCast® Square Column shown fluted with Tuscan Cap and Base.

SQUARE PERMACAST® COLUMN DIMENSIONS (In Inches)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	Lengths Available (ft.)
6"	6"	$9\frac{9}{16}"$	$1\frac{1}{16}"$	$1\frac{1}{16}"$	$\frac{5}{16}"$	1"	$1\frac{1}{4}"$	$1\frac{3}{8}"$	$9\frac{9}{16}"$	N/A	N/A	$3\frac{3}{16}"$	6,8,9,10
8"	8"	$11\frac{1}{8}"$	$1\frac{1}{8}"$	$1\frac{3}{8}"$	$\frac{5}{8}"$	1"	$1\frac{3}{8}"$	$1\frac{3}{8}"$	$10\frac{15}{16}"$	4"	$3\frac{1}{8}"$	$4\frac{1}{4}"$	6,8,9,10,12
10"	10"	$13\frac{1}{16}"$	$2\frac{1}{8}"$	$2\frac{3}{16}"$	$\frac{3}{4}"$	1"	$1\frac{1}{4}"$	$1\frac{13}{16}"$	$12\frac{3}{4}"$	4"	$4\frac{1}{8}"$	$5\frac{1}{16}"$	51",6,8,9,10,12,14,16
12"	12"	$16\frac{3}{16}"$	$2\frac{13}{16}"$	$2\frac{3}{8}"$	$\frac{7}{8}"$	1"	$1\frac{3}{4}"$	$2\frac{1}{16}"$	$16\frac{1}{16}"$	N/A	N/A	$6\frac{1}{16}"$	8,9,10,12,15,16,18
14"	14"	$19\frac{1}{8}"$	$3\frac{1}{8}"$	$2\frac{7}{8}"$	$1\frac{1}{16}"$	$1\frac{1}{8}"$	$2\frac{1}{16}"$	$2\frac{1}{2}"$	$19\frac{1}{16}"$	N/A	N/A	$7\frac{9}{16}"$	8,10,12,14,16,18,20
16"	16"	$22\frac{1}{8}"$	$3\frac{7}{8}"$	$3\frac{3}{8}"$	$1\frac{1}{8}"$	$1\frac{1}{8}"$	$2\frac{3}{8}"$	$2\frac{3}{4}"$	$21\frac{1}{2}"$	N/A	N/A	$8\frac{3}{8}"$	8,10,12

Fluted Square. *There may be a variance of up to $1/4"$ in all dimensions. Custom sizes available, contact the HB&G architectural department. See page 24 for Ornamental Capital dimensions.

Versatility of Square Columns

The design and versatility of an HB&G square column has enhanced its popularity with today's architects. The HB&G Square PermaCast® column line up includes square, plain and fluted. An unlimited combination of styles can be achieved by various uses of the panel molding, neck molding, and caps and bases. Additionally, the square column is not tapered and can be cut to any height without affecting the fit of the caps and bases.

Recessed Panel **PERMA**Cast® Columns

RECESSED PANEL INSIDE DIMENSION

Inside dimension may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

Col. Size	Inside
8"	5 5/8"
10"	7 1/2"
12"	9 1/2"
14"	11"

↑
**Inside
Dimension**
↓

RECESSED PANEL LOAD BEARING SPECIFICATIONS

(SPLIT COLUMNS ARE NOT LOAD BEARING)

Column Diameter	Structural Load
8"	10,000
10"	14,000
12"	18,000
14"	20,000



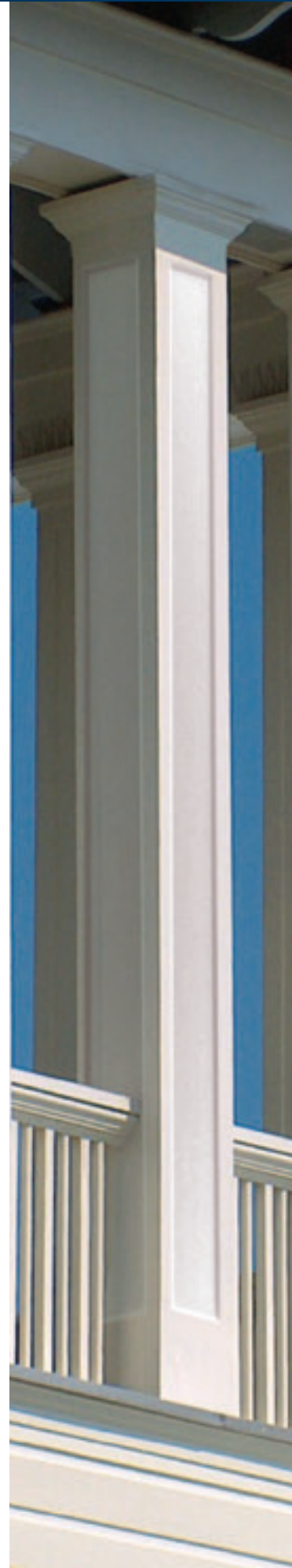
Neck mold is adjustable and can be applied anywhere on column

Square Column with Tuscan Cap and Base.

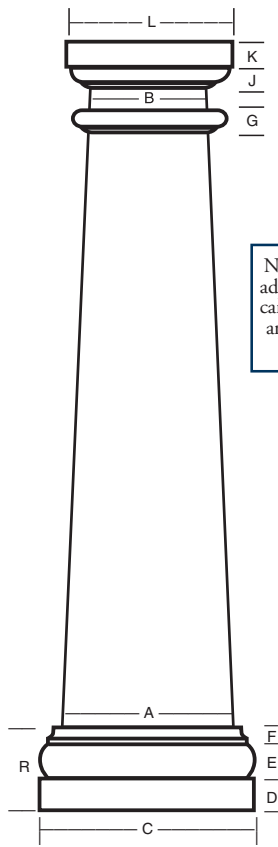
SQUARE RECESSED PANEL PERMACAST® COLUMN DIMENSIONS (In Inches)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	S	Recess Depth	Lengths Available
8"	8"	11 1/8"	1 7/8"	1 3/4"	5/8"	1"	1 3/8"	1 3/8"	10 1/2"	12"	7"	4 1/4"	1 1/2"	1/2"	8,9,10
10"	10"	13 1/6"	2 1/4"	2 3/16"	3/4"	1 1/4"	1 1/4"	1 13/16"	12 3/4"	14 1/2"	8 1/2"	5 3/16"	1 1/2"	1/2"	8,9,10
12"	12"	16 9/16"	2 13/16"	2 3/8"	7/8"	1 1/4"	1 3/4"	2 1/16"	16 1/16"	18"	10 1/2"	6 1/16"	2 1/4"	9/16"	8,9,10,12,14
14"	14"	19 3/8"	3 5/8"	2 7/8"	1 1/16"	1 1/8"	2 1/16"	2 1/2"	19 1/16"	21"	12 1/4"	7 9/16"	2 5/8"	3/4"	8*,10,14*

See page 24 for Ornamental Capital dimensions.



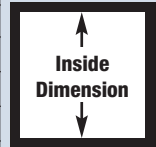
CRAFTSMAN PERMACAST® COLUMN



CRAFTSMAN INSIDE DIMENSION

Inside dimension may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

Column Size	Top	Bottom
10" x 5 1/2"	4.5"	9"
10 1/4" x 7 1/2"	4.5"	9 1/4"
12" x 10"	9"	11"
14" x 12"	8"	13"
16" x 9"	8"	15"



CRAFTSMAN LOAD BEARING SPECIFICATIONS (SPLIT COLUMNS ARE NOT LOAD BEARING)

Column Diameter	Structural Load
10" x 5 1/2"	10,000
10 1/4" x 7 1/2"	10,000
12" x 10"	14,000
14" x 12"	14,000
16" x 9"	14,000

CRAFTSMAN COLUMN DIMENSIONS (IN INCHES)

	A	B	C	D	E	F	G	J	K	L	N	O	R	LENGTH
10" x 5 1/2"	10"	5 1/2"	13"	2 1/2"	2 3/8"	1 1/16"	1"	1 3/8"	1 3/8"	9 5/8"	N/A	N/A	5 7/8"	66"
10 1/4" x 7 1/2"*	10 1/4"	7 1/2"	13 1/2"	2 3/8"	2 1/4"	3/4"	1"	1"	1"	10 1/4"	N/A	N/A	5 3/8"	7'
12" x 10"	12"	10"	16 9/16"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	12 3/32"	N/A	N/A	6 1/16"	6', 10'
14" x 12"*	14"	12"	18 3/4"	3 3/8"	3"	1"	1"	1 5/8"	2"	17 7/8"	N/A	N/A	7 3/8"	9'
16" x 9"	16"	9"	18 3/4"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	13 1/4"	N/A	N/A	6 1/16"	58"
16" x 9"	16"	9"	19 1/16"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	13 1/4"	N/A	N/A	6 1/16"	6', 8'

Custom sizes available, contact the HB&G architectural department.

*Has 1/3" to 2/3" taper, neck mold is part of shaft and not applied.



Lifetime Warranty

HB&G warrants that for the "lifetime" of ownership the PermaCast® column is free from defects in material and workmanship. "Lifetime" means as long as the purchaser owns the structure to which the PermaCast® columns are attached. Upon proper installation of the column, HB&G will repair or replace, at its option, any PermaCast® column that has failed as a result of defective material or workmanship of HB&G. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.

Painting Instructions

Painting instructions for round and square PermaCast® columns:

- Rinse
- Prime with top quality exterior latex primer, or use an oil-based primer in accordance with paint manufacture instructions. A light coat of primer should be applied and allowed to cure fully.
- Paint evenly with several light coats over column with a high quality exterior latex or oil-base (if primer is used) in accordance with paint manufacture instructions.
- Do not paint PermaCast® columns using dark colors (dark colors are considered any color that falls within the L value of 56 to 0). L is a measure of lightness of an object and ranges from 0 (black) to 100 (white).

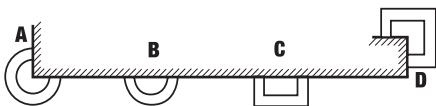
Fire Retardant

All HB&G PermaCast® columns are fire retardant. This new offering has been tested by code certified laboratories to ensure its fire performance characteristics.

Tips

- ✓ When ordering an ornamental capital order the appropriate base for the column.
- ✓ Ornamental capitals for square PermaCast® slide over the shaft and do not use a plug. These ornamental capitals will not lengthen or shorten the height of the column.
- ✓ Insure exact opening measurement prior to ordering column length.
- ✓ When installing a PermaCast® column, insure concentric loading of column. 100% of bottom must contact substrate and 75% of top must contact soffit.
- ✓ When attaching hand rails or corner iron to PermaCast® columns, holes must be pre-drilled before applying screws.
- ✓ When ordering panel molding for square PermaCast® columns, make sure to order enough for four sides of the column.
- ✓ Split columns left partially intact. Cut with masonry or carbide tip blade.

Splitting Options



HB&G's number one goal is finding ways that we can save you time and money making your life easier.

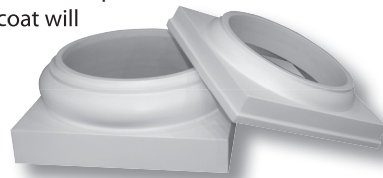
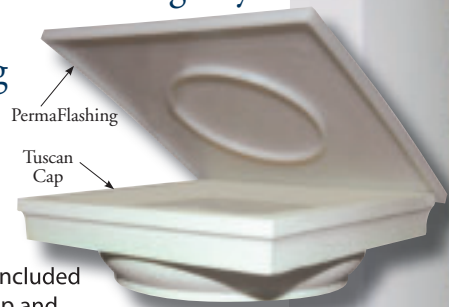
PermaCast® PermaFlashing and Installation Kit

The PermaCast® flashing* and installation kit is now available and included at **no additional cost** in all Tuscan cap and base sets. This innovation will not only save time but will keep the elements out of the column and secure the top and bottom of the column.

*Patent Pending

PermaPrimed Tuscan Cap and Base

HB&G is now priming all Tuscan caps and bases. This additional priming coat will facilitate paint adhesion and have a far superior appearance at **no additional cost**.



Round PermaCast® Porch Installation Bracket



The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast® Columns and will secure a 2nd story porch to our PermaCast® Columns. Three brackets are required for each column.