

THE STANDARD OF COMPARISON
Since 1885



Extruded Brick

COLORS Belden currently makes face brick in over 200 colors that range from frosted whites to pinks to deep reds... burgundies... chocolates... buffs, grays and charcoal tones. Belden Brick color choices offer significant design latitude that is enhanced by intermixed brick and by firing techniques that produce further tonal variety within a given color range.



ALASKA WHITE VELOUR



280-284 SMOOTH



481-483 VELOUR



POTOMAC CLEAR



LIGHTHOUSE GRAY VELOUR



661 VELOUR



671 SMOOTH



691-693



8520



8530



920-926



BURBANK FULL RANGE



DUTCH GRAY MATTE



SEA GRAY VELOUR



MAYO BLEND FULL RANGE



GRAYSTONE SMOOTH



SILVER SATIN



QUAKER BLEND VELOUR



TUMBLEWEED



461-463 SMOOTH



TEXTURES & SIZES Belden Brick is offered in textures that range from the sand mold finish of colonial times to rugged randomly textured styles... vertically grooved styles or silky finishes. Each texture can make its own distinctive contribution to the visual impact you seek. Belden Brick is regularly manufactured in sixteen different sizes. Representative dimensions and related information are provided on pages 10 and 11.



514



CONCORD BLEND



HARVEST BLEND



MARIGOLD BLEND



NEVADA BLEND



NUTMEG FULL RANGE



PAGO VELOUR



WHEATFIELD VELOUR



CAROLINA ROSE



SANDY ROSE



JEWEL BLEND



141-145



503-505



830



ADMIRAL FULL RANGE VELOUR



BERWICK BLEND



BISMARCK BLEND



BUCKINGHAM BLEND



CANYON FULL RANGE SMOOTH



CLARET VELOUR



BLENDING Belden takes the extra manufacturing step of factory-blending its brick. That way we can control and randomize minor color variations and assure color consistency in the finished structure. Our blending procedure means brick can be laid up just as it comes off the package without concern for concentrated color variances.



COMMODORE FULL RANGE VELOUR



GARDEN BLEND



KINGSPORT 8X



LONDON BLEND



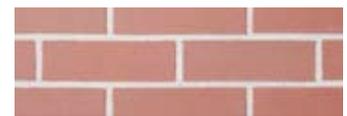
NO. 9 BLEND



TULIP BLEND



ROYALTY RED



RUBIGO RED SMOOTH



RUM RAISIN



TUDOR BLEND



470-479 LIGHT RANGE



470-479 MEDIUM RANGE



470-479 DARK RANGE



8621



BEAVER BLEND DART-TEX



BRANDYWINE VELOUR



MIDLAND BLEND



NAPIER BLEND



SEAL BROWN VELOUR



ST. SIMON BLEND



EBONY BLACK



SIENNA BLEND



ASHBERRY VELOUR



BLACK DIAMOND VELOUR



Molded Brick



ARTIC CLEAR



POLAR WHITE CLEAR



HARBOUR MIST BLEND



BAYPORT



ALAMO BLEND



BRIDGEPORT BLEND



MANCHESTER BLEND



MEADOW BLEND



ST. ANNE BLEND



ST. ANNE CLEAR



KINGSPORT



QUEENSPORT BLEND



WINEWOOD BLEND



ROSEWOOD CLEAR



ROSEWOOD BLEND



GARNET BLEND



BELCREST 170



BELCREST 310



BELCREST 360



BELCREST 500



BELCREST 560



BELCREST 650



BELCREST 730



BELCREST 760



Pavers

City Line Pavers are available with several options. You have your choice of square edges, chamfered edges and spacer lugs in this product series. Two different size options are also available. Standard size 2-1/4" thick x 4" width x 8" length or Jumbo size 2-3/4" thick x 4" width x 8" length. Our Belcrest and Antique Colonial Pavers are available in Modular size, 2-1/4" thick x 3-5/8" width x 7-5/8" length.

CITY LINE PAVERS



ADMIRAL FULL RANGE



ADMIRAL RED



CHESTNUT HILL FULL RANGE



CLARET FULL RANGE



CLARET



KODIAK BROWN



LIGHTHOUSE GRAY



LANDMARK GRAY



NUTMEG FULL RANGE



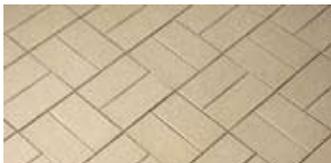
NUTMEG CLEAR



REGIMENTAL FULL RANGE



REGIMENTAL RED



TUMBLEWEED



WHEATFIELD

8" x 8" PAVERS



CHAMFERED W/LUGS



CHAMFERED EDGE



STRAIGHT EDGE



LANDMARK GRAY



WHEATFIELD



4" x 4" PAVER



ADA PAVER



SANDMOLD PAVER



REGIMENTAL RED



CLARET



BELCREST PAVERS



BELCREST 100



BELCREST 350



BELCREST 500



BELCREST 560



BELCREST 730



BELCREST 760



ANTIQUE COLONIAL PAVERS



ALAMO BLEND PAVER



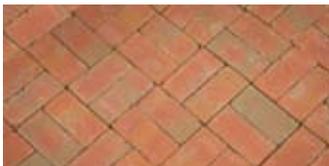
BEECHWOOD BLEND PAVER



POLAR WHITE CLEAR PAVER



ROSEWOOD CLEAR PAVER



ROSEWOOD BLEND PAVER



ST. ANNE BLEND PAVER



ST. ANNE CLEAR PAVER



PAWNEE PAVER*

* Pawnee Pavers are available in Standard size 2-1/4" thickness x 4" width x 8" length.



Shapes

Through the years, Belden Brick has developed hundreds of customized shapes to meet specific design requirements. We stand ready to work with you in developing whatever additional special shapes you need for your particular design requirements.



90° SOLDIER CORNER (SQUARE)



135° EXTERNAL SOLDIER CORNER



90° ROWLOCK CORNER



2 COURSE WATERTABLE ROWLOCK



BULLNOSE ROWLOCK MODULAR



ACCENT SOLDIER, INTERNAL/EXTERNAL CORNER



WATERTABLE ROWLOCK



BULLNOSE STEP TREAD CORNER



BULLNOSE STRETCHER



135° EXTERNAL WATERTABLE CORNER



135° INTERNAL CORNER UTILITY



BULLNOSE STEP TREAD



12" COPING CAP



135° EXTERNAL CORNER W/ FALSE JOINT



BULLNOSE STEP TREAD



1" RADIUS BULLNOSE ROWLOCK



CUSTOM SHAPES If the special shape you need is not one we've previously made, be assured that our customizing department will be happy to work with you in developing it for you. For details, use the Sweets BuyLine or call us (330) 456-0031.

BRICK SCULPTURE Three-dimensional murals or decorative sculptured accent panels using brick can make particularly dramatic and enduring statements. Call on our experience with brick sculpture as part of your planning.



COVE ROWLOCK



DOUBLE RADIUS STRETCHER



FULL BULLNOSE STRETCHER



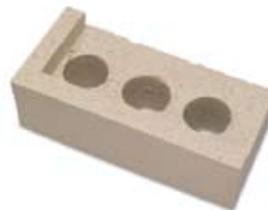
WATERTABLE ROWLOCK & INTERNAL CORNER



HINGE BRICK



NOTCHED STRETCHER



RABBETTED LIP STRETCHER CORNER



WATERTABLE ROWLOCK (UTILITY)



UTILITY LIP STRETCHER



SLOPED SILL QUAD



SLOPED SOLDIER



WATERTABLE STRETCHER



WALLCAP END CLOSURE



WATERTABLE EXTERNAL & INTERNAL CORNERS



WATERTABLE HEADER

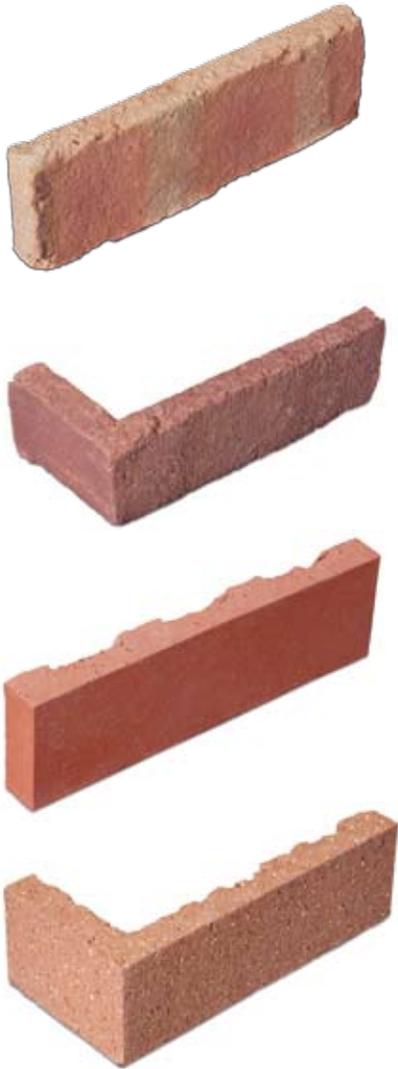


WATERTABLE ROWLOCK EXTERNAL CORNER



Thin Brick

Thin Brick meet ASTM C 1088-09 standard specification for Thin Veneer Brick Units made from clay or shale. In this specification, the term thin veneer brick shall be understood to mean clay masonry unit with a maximum thickness of 1-3/4".



Grade Exterior

Belden Brick manufactures thin brick to meet Grade Exterior with a weathering index of SW.

Types

Type TBS (Standard) – Thin veneer brick for general use in masonry.

Type TBX (Select) – Thin veneer brick for use in general masonry where a higher degree of precision and lower permissible variation in size than permitted for Type TBS is required.

Type TBA (Architectural) – Thin veneer brick for general use in masonry selected to produce characteristic architectural effects resulting from nonuniformity in size and texture of the individual units.

Thin Brick Products

Extruded Brick Units

- Manufactured to meet Type TBX. Available in 1/2" to 3/4" Flat Back Units and 3/4" only for Dovetail units. Dovetail units have 5/8" shell thickness plus 1/8" dovetail = 3/4" overall thickness.
- Capabilities to manufacture units up to 4" in height and 12" in length. Includes sizes ranging from Modular (2-1/4" x 7-5/8") to Utility (3-5/8" x 11-5/8").

Molded Brick Units

- Manufactured to meet Type TBA and available in 3/4" Flat Back Units only.
- Plant 3 – Antique Colonials
 - Modular (2-1/4" x 7-5/8")
 - Jumbo Standard (2-5/8" x 8")
- Plant 8 – Belcrest
 - Modular (2-1/4" x 7-5/8")
- Thickness – 3/4"

Precast Requirements

- Waxing of Unit Faces available for Stretchers and Corners.
- Grinding of Units also available for length and height.
- Dimensional tolerances of plus 0 / Minus 1/16".

Sizes

BRICK UNIT	APPROX. WT.	SIZE / INCHES (BD x H x L)	FACE / M.B.E.	UNITS PER SQ. FT. WALL (INC. 3/8" JOINT)	SIZE (MM)
MODULAR 	4.3 #	3-5/8" x 2-1/4" x 7-5/8"	1	6.86	92 x 57 x 194
STANDARD 	4.5 #	3-5/8" x 2-1/4" x 8"	1.05	6.55	92 x 57 x 203
JUMBO MODULAR 	5.1 #	3-5/8" x 2-3/4" x 7-5/8"	1.22	5.76	92 x 70 x 194
QUEEN 	5.6 #	3-1/8" x 2-3/4" x 9-5/8"	1.54	4.61	70 x 70 x 244
ROMAN 	4.7 #	3-5/8" x 1-5/8" x 11-5/8"	1.10	6.00	92 x 41 x 295
NORMAN 	6.3 #	3-5/8" x 2-1/4" x 11-5/8"	1.52	4.57	92 x 57 x 295
JUMBO NORMAN 	7.8 #	3-5/8" x 2-3/4" x 11-5/8"	1.86	3.84	92 x 70 x 295
AMBASSADOR 	8.4 #	3-5/8" x 2-1/4" x 15-5/8"	2.05	3.43	92 x 57 x 397
ECONOMO MODULAR 	6.6 #	3-5/8" x 3-5/8" x 7-5/8"	1.61	4.50	92 x 92 x 194
UTILITY 	10.5 #	3-5/8" x 3-5/8" x 11-5/8"	2.46	3.00	92 x 92 x 295
MONARCH 	13.5 #	3-5/8" x 3-5/8" x 15-5/8"	3.30	2.25	92 x 92 x 397
QUAD 	13.5 #	3-5/8" x 7-5/8" x 7-5/8"	3.39	2.25	92 x 194 x 194
DOUBLE UTILITY 	21.0 #	3-5/8" x 7-5/8" x 11-5/8"	5.17	1.50	92 x 194 x 295
DOUBLE MONARCH 	29.0 #	3-5/8" x 7-5/8" x 15-5/8"	6.94	1.13	92 x 194 x 397

TECHNICAL SUPPORT AND CONSULTATION

Our staff is available at all times to answer technical questions or consult with you on any aspect of your interest in brick. Call any one of our authorized distributors or call Bob Belden at our main office: (330) 456-0031.

GUIDE TO SPECIFYING DIVISION 4 SECTION 04210**PART II PRODUCTS****2.01 BRICK**

- A. Facing Brick: All brick specified and shown on drawing shall be (product name) _____ as manufactured by The Belden Brick Company, Canton, Ohio.
1. ASTM C-216 _____, Grade SW Type _____
 2. Dimensions _____ X _____ X _____
 3. Minimum Compressive Strength: _____ Maximum IRA. _____
 4. Provide brick similar in texture, color and all physical properties to those available for inspection at the Architect/Engineer's office and/or as supplied on the approved sample panel.
 5. Shapes: All special shapes are to be used per architectural detail(s) # _____ as supplied to The Belden Brick Company.
- B. Mortar: Conventional mortar shall conform with ASTM C-270 under the guidelines provided in BIA Technical Notes, Series 8.

PART III EXECUTION

- A. Bonding: Lay masonry in _____ bond pattern as indicated.
Reference BIA Technical Note #30 for further recommendations.
- B. Tooling: Tooling shall conform to the guidelines provided in BIA Technical Notes 7B revised.
- C. Cleaning: Cleaning shall be as per guidelines in BIA Technical Note #20, Revised II.

All cleaning practices and product use shall also be in accordance with cleaning agent manufacturers printed instructions.

NOTES TO SPECIFIER:

ASTM DESIGNATION C-216-XX (with the last number being the year of the last update). All A grade Belden Brick complies with ASTM C-216-XX, grade SW (severe weathering).

A Type FBS – Brick for general use in masonry.

B Type FBX – Brick for general use in masonry where a higher degree of precision and lower permissible variation in size than permitted for type FBS is required.

C Type FBA – Brick for general use in masonry selected to produce characteristic architectural effects resulting from non-uniformity in size and texture of the individual units.

When the type is not specified the requirements for the type FBS shall govern.

The above is per ASTM Designation C-216-XX Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale).

A SAMPLING OF BELDEN BRICK AT WORK

- | | |
|--|---|
| Alice H. Cook House
Cornell University
Ithaca, NY
Kieran Timberlake Associates, LLP | Mayfaire Town Center
Wilmington, NC
Cooper Carry, Inc. |
| American Airlines Center
Dallas, TX
David M. Schwarz
Architectural Services | Midwest Express Center
Milwaukee, WI
Thompson, Ventulett,
Stainbach & Associates |
| AT&T Offices
Monmouth County, NJ
CUH2A | Miller Park
Milwaukee, WI
HKS, Inc. / NBBJ / Eppstein
Uhen Architects |
| Boston College Sports Complex
Chestnut Hill, MA
Sasaki Associates, Inc. | Myrtle Wycoff Station Complex
Brooklyn, NY
Dattner Architects |
| Busch Stadium
St. Louis, MO
HOK Architects | Northern Kentucky
Convention Center
Covington, KY
Sherman Carter Barnhart |
| Central Mutual Insurance Co.
Van Wert, OH
Flad & Associates | River House
New York, NY
Polshak Partnership
Ismael Leyva Architects |
| Clarion North Medical Center
Carmel, IN
HKS, Inc. | Seaport Hotel
World Trade Center
Boston, MA
The Stubbins Associates, Inc. |
| Crocker Park
Westlake, OH
Bialosky + Partners Architects | Taconic Hills School
Hillsdale, NY
Rhinebeck Architectural &
Planning |
| David Letterman
Communication & Media Bldg.
Muncie, IN
MSKTD & Associates, Inc. | The Eye Center
Columbus, OH
Gil Sass-AMB Development Group |
| Earth Sciences Building &
Museum of Natural History
Amherst, MA
Payette | The Millennium Building
Canton, OH
Wilson Architectural Group |
| First Friends Church
North Canton, OH
Harris-Day Architects Inc. | The Ohio State University
Fisher School of Business
Columbus, OH
Karlsberger Co. |
| Grand Valley State University
DeVos Center
Grand Rapids, MI
Design Plus Inc. | University of Cincinnati
Mary Emory Hall
Cincinnati, OH
I. M. Pei |
| Good Samaritan North Hospital
Englewood, OH
Earl Swensson Associates | University of Pittsburgh
Convocation Center
Oakland, PA
Apostolou & Associates |
| Harry London's Candies
Canton, OH
Lawrence, Dykes,
Goodenberger, Vandegrift
& Clancy | Whole Foods Market
Washington, DC
Mushinsky Voelzke Associates |
| Holy Angels Church
Chagrin Falls, OH
Zarzycki – Malik Architects | Womack Replacement Hospital
Fort Bragg –Fayetteville, N.C.
The Smith Group, Inc. |
| Jordan Hall of Science at the
University of Notre Dame
South Bend, IN
The S/L/A/M Collaborative | |
| Leazar Hall at
NC State University
Raleigh, NC
Cannon Architects | |