Thin Brick
UNIQUE. LASTING. BRICK.

Adding a Creative Touch to Indoor or Outdoor Surfaces

Belden
THE BELDEN BRICK COMPANY
Thin Brick Dimensions

- Utility Dovetail
- Utility Dovetail Corner
- Norman Dovetail
- Norman Dovetail Corner
- Modular Dovetail Slab
- Modular Dovetail 90° External Corner
Thin Brick Specifications

ASTM C 1088 – XX
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
Maximum water absorption by 5 hour boiling
• Average of 5 units – 17.0%
• Individual – 20.0%

Maximum Saturation Coefficient
• Average of 5 units – 0.78
• Individual – 0.80

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

Types:

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.

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

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.

Extruded Brick Units
Manufactured to Meet Type TBX.
Available in 5/8” 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 12 different sizes ranging from Modular (2-1/4” x 7-5/8”) to Utility (3-5/8” x 11-5/8”).

Specify Units with Smooth & Velour Textures for Best Economics.
- Some heavily textured products such as matt, vertical bark & dart-tex textures available on a per job basis.

PCI Precast Requirements:
• Waxing of Unit Faces Available for Stretcher & Corners.
• Grinding of Units also Available for Length & Height.
• Dimensional Tolerances of Plus 0 / Minus 1/16th”

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”
Extruded Thin Brick

**Creams**
- 280-284
- 481-483 Velour

**Tans**
- Quaker Blend
- Tumbleweed Velour

**Buffs**
- 461-463 Smooth
- 470-479 Light Range Smooth
- Concord Blend
- Desert Sun Smooth
- Goldenrod Ironspot
- Pago Velour
- Madrid Blend
- Nutmeg Full Range Velour
- Wheatfield Velour

**Pinks**
- Jewel Blend
- Jewel Clear
- Valley Rose Velour

Due to printing limitations, the color of the brick panels may be slightly different than those represented. We encourage that you request a sample for color matching applications.
The beauty of clay fired brick is shown below.
Belden Brick saves money in materials and installation costs.

*Additional brick color selections can be located on Page 21.
Several sizes of Belden Brick were used in the construction of Busch Stadium. Thin brick was used in a precast application on several sections as shown.
Belden Thin Brick adds a warmth and Old World feel to this ballpark in the Heart of St. Louis.

Busch Stadium - Home of the St. Louis Cardinals
Belden Thin Brick is clay fired brick and is available in a large variety of textures, colors and sizes. No matter what your project there is a look and feel to complement it.
Belden Thin Brick achieves long term value because of its low maintenance costs.
Molded Thin Brick

Whites

- Jumbo Arctic Clear
- Jumbo Bayport
- Belcrest 600
- Belcrest 650
- Jumbo Polar Blend

Tans

- Jumbo Alamo Clear
- Jumbo Manchester Blend
- Jumbo Meadow Blend
- Jumbo Mojave Blend

Browns

- Jumbo Garnet Blend
- Jumbo Lancaster Blend

Grays

- Jumbo Harbour Mist Blend
- Jumbo Harbour Mist Clear

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Belcrest Thin Brick is available in a large variety of colors and textures. See all the brick colors available online at beldenbrick.com.
**Belden Thin Brick** is clay fired brick and is available in a large variety of textures, colors and sizes. Check our website at www.beldenbrick.com for a complete listing. Whether your need is inside or outside, Belden Thin Brick can add a rich, distinct look to your project in less time and cost than you would ever imagine.

Belden Thin Brick can add the warmth and beauty of brick to the inside of your home, office or building. With Belden Thin Brick you can create a unique look for your den, kitchen, recreation room, patio walls or any surface that can use improvement. The uses of Belden Thin Brick are limited only by your imagination.

Outside, transform the exterior of your home from wood or aluminum siding to the rich look of brick. You will find an improvement in sound reduction, energy savings and improve resale value. Most of all, the character and attractiveness of your brick home will satisfy you for many years of maintenance free living.
Belden Thin Brick gives this private room in an exclusive restaurant, a lasting impression.
Belden Thin Brick is available in warm, rich colors that never fade and enrich any wall.
Belden Thin Brick has become the popular choice for walls inside of offices, in addition to their beauty, a sense of strength and performance is projected.
Put a new face on your buildings with Belden Thin Brick and
Consider Belden Thin Brick for remodeling or new projects.

Belcrest Series

3/4”x 2-1/4”x 7-5/8”

TBA

COMMERCIAL APPLICATION

Consider Belden Thin Brick for remodeling or new projects.
Available in many beautiful, versatile colors.
Due to printing limitations, the color of the brick panels may be slightly different than those represented. We encourage that you request a sample for color matching applications.
### PCI Specification

<table>
<thead>
<tr>
<th></th>
<th>Average Length (In.)</th>
<th>Deviation from Specification</th>
<th>Pass/Fail</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP AVERAGE</td>
<td>7 40/64</td>
<td>0</td>
<td>PASS</td>
<td>8/17/2010</td>
</tr>
</tbody>
</table>

### Standard Method for Sampling and Testing Brick and Structural Clay Tile

#### Absorption
- 24 Hour Submersion in Cold Water (%): 3.57 (8/18/2010)
- 5 Hour Submersion in Boiling Water (%): 4.41
- Saturation Coefficient (Ratio of 24H to 5H): 0.81

#### Efflorescence
- NOT EFFL.

#### Freeze-Thaw
- Beginning Dry Wt. (g): 458.02 (2/09/2010)
- Final Dry Wt. (g): 457.88
- Weight Loss (%): 0.03
- # of Cycles: 50
- Pass/Fail: PASS

These units were tested in accordance with ASTM C-67-08.

#### Modulus of Rupture
- psi: 810 (8/17/2010)
- MPa: 6

The brick represented by the test results shown here comply with the standards listed below:
- ASTM C 1088-09 Standard Specification for Thin Veneer Brick Units made from Clay or Shale
- Grade: Exterior, Interior with absorption alternate in Section 5.1

Results of Tests on brick conducted in accordance with ASTM C67-08 Standard Method for Sampling & Testing Brick & Structural Clay Tile.
# Standard Test Methods for Strength of Anchors in Concrete with Masonry Elements

<table>
<thead>
<tr>
<th>Tensile Bond Strength</th>
<th>Average</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi</td>
<td>260</td>
<td>3/11/2010</td>
</tr>
</tbody>
</table>

Mode of Failure: FACE

AFTER 300 CYCLE FREEZE THAW TESTED IN ACCORDANCE WITH ASTM C-666 METHOD B

<table>
<thead>
<tr>
<th>Tensile Bond Strength</th>
<th>Average</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi</td>
<td>202</td>
<td>8/05/2010</td>
</tr>
</tbody>
</table>

Mode of Failure: FACE

Results of Tests on Brick conducted in accordance with PCI modified ASTM E 488-03 Test Methods for Strength of Anchors in Concrete and Masonry Elements

# Standard Test Methods for Resistance of Ceramic Tile to Chemical Substances

## Common Household and Cleaning Chemicals

<table>
<thead>
<tr>
<th>Test Solution</th>
<th>Visual Test (Affected / Not Affected)</th>
<th># of Samples</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Acetic Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Ammonium Chloride, 100 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Citric Acid Solution, 30 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Citric Acid Solution, 100 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Lactic Acid, 5% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Phosphoric Acid, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Phosphoric Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Sulfamic Acid, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Sulfamic Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
</tbody>
</table>

## Swimming Pool Chemicals

<table>
<thead>
<tr>
<th>Test Solution</th>
<th>Visual Test (Affected / Not Affected)</th>
<th># of Samples</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hypochlorite Solution 20 mg/l</td>
<td>Not Affected</td>
<td>1</td>
<td>9/1/2010</td>
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</tbody>
</table>

## Acids and Bases

<table>
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<th>Test Solution</th>
<th>Visual Test (Affected / Not Affected)</th>
<th># of Samples</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric Acid Solution, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Hydrochloric Acid Solution, 18% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Potassium Hydroxide, 30 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td>Potassium Hydroxide, 100 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
</tbody>
</table>

Results of Tests on Brick conducted in accordance with ASTM C67-08 Standard Method for Sampling and Testing Brick and Structural Clay Tile
The Standard of Comparison Since 1885
An ISO 9001 Quality Management System
An ISO 14001 Environmental Management System

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