Thin Brick
UNIQUE. LASTING. BRICK.

Adding a Creative Touch to Indoor or Outdoor Surfaces
Thin Brick Dimensions

UTILITY DOVETAIL

UTILITY DOVETAIL CORNER

NORMAN DOVETAIL

NORMAN DOVETAIL CORNER

MODULAR DOVETAIL 90° EXTERNAL CORNER

MODULAR DOVETAIL SLAB
Thin Brick Specifications

ASTM C 1088 – 12
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 Stretchers & 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 & Buffs**
- Quaker Blend Velour
- Concord Blend

**Grays**
- 661 Velour
- 671 Smooth
- 691-693
- 8520
- 8530
- Burbank Full Range
- Dutch Gray Smooth
- Graystone Velour
- Sea Gray Smooth

**Pinks**
- Jewel Blend
- Jewel Clear

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.
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 White Clear

**Tans**
- Jumbo Alamo Blend
- Jumbo Beechwood Blend
- Jumbo Bridgeport Blend
- Jumbo Lancaster Blend
- Jumbo Manchester Blend

**Grays**
- Jumbo Harbour Mist Blend
- Jumbo Harbour Mist Clear

**Pinks**
- Belcrest 100
- Belcrest 150
- Belcrest 310
- Belcrest 360
- Jumbo St. Anne Blend
- Jumbo St. Anne Clear

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.
Belden 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 improve the curb appeal for many years.
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.
New Brick Colors

Tans
- Tumbleweed Velour

Buffs
- Nutmeg Full Range Velour
- Nutmeg Velour
- Wheatfield Velour

Grays
- Beacon Gray Velour
- Landmark Gray Velour
- Lighthouse Gray Velour
- Valley Rose Velour

Pinks
- Admiral Full Range Velour
- Admiral Red Velour
- Canyon Full Range Smooth
- Canyon Full Range Velour

Reds
- Canyon Smooth
- Canyon Velour
- Claret Full Range Smooth
- Claret Full Range Velour

Commodore Full Range Smooth
- Commodore Full Range Velour

Commodore Smooth
- Commodore Velour
- River Red Velour
- Rum Raisin Velour

Browns
- Brandywine Velour
- Chestnut Hill Velour

Blacks
- Ashberry Velour
- Black Diamond Velour
- Sienna Velour

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## 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>
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</tbody>
</table>

## AVERAGE BREADTH (IN.)

<table>
<thead>
<tr>
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<th>Deviation from Specification</th>
<th>Pass/Fail</th>
<th>Test Date</th>
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<tbody>
<tr>
<td>Group Average</td>
<td>2 17/64</td>
<td>Pass</td>
<td>8/17/2010</td>
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## AVERAGE HEIGHT (IN.)

<table>
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<th>Deviation from Specification</th>
<th>Pass/Fail</th>
<th>Test Date</th>
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<tbody>
<tr>
<td>Group Average</td>
<td>58/64</td>
<td>Pass</td>
<td>8/17/2010</td>
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</table>

Results of Tests on Brick conducted in accordance with ASTM C67-08 Standard Method for Sampling and Testing Brick and Structural Clay Tile

## STANDARD METHOD FOR SAMPLING AND TESTING BRICK AND STRUCTURAL CLAY TILE

### Absorption

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Average</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Hour Submersion in Cold Water (%)</td>
<td>3.57</td>
<td>8/18/2010</td>
</tr>
<tr>
<td>5 Hour Submersion in Boiling Water (%)</td>
<td>4.41</td>
<td></td>
</tr>
<tr>
<td>Saturation Coefficient (Ratio of 24H to 5H)</td>
<td>0.81</td>
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</tbody>
</table>

### Efflorescence

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Result</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Efflorescence</td>
<td>Not Effl.</td>
<td>8/26/2010</td>
</tr>
</tbody>
</table>

### Freeze-Thaw

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Average</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning Dry Wt. (g)</td>
<td>458.02</td>
<td>2/09/2010</td>
</tr>
<tr>
<td>Final Dry Wt. (g)</td>
<td>457.88</td>
<td></td>
</tr>
<tr>
<td>Weight Loss (%)</td>
<td>0.03</td>
<td></td>
</tr>
<tr>
<td># of Cycles</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Pass/Fail</td>
<td>PASS</td>
<td></td>
</tr>
</tbody>
</table>

These units were tested in accordance with ASTM C6-7-08

### Modulus of Rupture

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Average</th>
<th>Test Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>psi</td>
<td>810</td>
<td>8/17/2010</td>
</tr>
<tr>
<td>MPa</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

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>Mode of Failure</th>
<th>AFTER 300 CYCLE FREEZE THAW TESTED IN ACCORDANCE WITH ASTM C 666 METHOD B</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENSILE BOND STRENGTH</td>
<td>AVERAGE</td>
</tr>
<tr>
<td>psi</td>
<td>260</td>
</tr>
<tr>
<td>psi</td>
<td>202</td>
</tr>
<tr>
<td>Mode of Failure</td>
<td>FACE</td>
</tr>
</tbody>
</table>

### STANDARD TEST METHODS FOR RESISTANCE OF CERAMIC TILE TO CHEMICAL SUBSTANCES

<table>
<thead>
<tr>
<th>COMMON HOUSEHOLD AND CLEANING CHEMICALS</th>
<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>
<td></td>
</tr>
<tr>
<td>Acetic Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Ammonium Chloride, 100 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Citric Acid Solution, 30 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Citric Acid Solution, 100 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Lactic Acid, 5% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Phosphoric Acid, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Phosphoric Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Sulfamic Acid, 3% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
<tr>
<td>Sulfamic Acid, 10% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
<td></td>
</tr>
</tbody>
</table>

| SWIMMING POOL CHEMICALS | Sodium Hypochlorite Solution 20 mg/l | Not Affected | 1 | 9/1/2010 |

<table>
<thead>
<tr>
<th>ACIDS AND BASES</th>
<th>Hydrochloric Acid Solution, 3% (v/v)</th>
<th>Not Affected</th>
<th>1</th>
<th>8/27/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hydrochloric Acid Solution, 18% (v/v)</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td></td>
<td>Potassium Hydroxide, 30 g/L</td>
<td>Not Affected</td>
<td>1</td>
<td>8/27/2010</td>
</tr>
<tr>
<td></td>
<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 PCI modified ASTM E 488-03 Test Methods for Strength of Anchors in Concrete and Masonry Elements
The Standard of Comparison Since 1885
An ISO 9001:2008 Registered Quality Management System
An ISO 14001:2004 Environmental Management System
beldenbrick.com / (330) 456-0031