History

Fired clay is in our DNA. And from the day we were founded, architects have challenged us to extend and adapt this timeless material for use in their most innovative projects. Acme TC Cladding is the latest chapter of a collaboration between architect and brickmaker now in its third century.

Like brick, terracotta has roots in antiquity and has evolved into a highly engineered product. We use modern extrusion techniques to manufacture large-format panels that can be installed at any height – by themselves or with other cladding materials. Over the last decade panels have been installed on 76.4 million square feet of exterior wall in 32 countries. Acme TC Cladding comes in 28 vibrant, earth-derived colors and 5 distinct product lines: tile, rainscreen, rainscreen light, sealed, and sunshade.

This beautiful innovation also draws on the expertise of IBP, an Acme subsidiary, which developed the Fast Track masonry support system.

As with all products offered by Acme, the commitment behind Acme TC Cladding is more than 125 years old. Our desire and dedication is to help today’s architects execute their most exciting designs in natural clay materials that withstand the test of time.
Acme TC Cladding consists of five product lines: Tile, Rainscreen Light, Rainscreen, Sealed, and Sunshade.

These products have an international pedigree. Over the past decade, extruded terracotta panels have been installed on thousands of buildings around the world. These precision-engineered units offer the traditional benefits of fired clay – beauty, durability, water and fire resistance – yet are light enough to be installed at virtually any height.
Each TC Tile production run is tailored to the specific color, shape, and texture characteristics unique to your project. Profiles, shown to the left, are available with ship-lap and square edges. The panels can be 6 to 24 inches tall and up to 24 inches long and a maximum of 3 square feet in face area per code. Ship-lap panels are only available in 12mm thickness. This product is best suited for walls. Corner edges can be miter cut at the plant, or metal trim can be used as outside corner treatments. Custom sizes, shapes, colors, and glazing are available upon request.

**Specifications**

<table>
<thead>
<tr>
<th>Standard Size</th>
<th>Thickness</th>
<th>Colors</th>
<th>Finishes</th>
<th>Weight</th>
<th>Coursing</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12”x 24”</td>
<td>10 mm</td>
<td>See pages 27-28 for options.</td>
<td>~4 lbs per square foot for 10mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16”x 24”</td>
<td>12 mm</td>
<td>See page 26 for options.</td>
<td>~5 lbs per square foot for 12mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18”x 24”</td>
<td>solid panel with grooved backing</td>
<td>No limitations in coursing or orientation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min 6” high max 24” high max 24” long</td>
<td>10 mm or 12mm</td>
<td></td>
<td></td>
<td>Adhered or embedded in precast concrete</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Coursing Patterns**

No Limitations. Suggested coursing patterns shown.
**Parapet cap assembly by others**

**Wall framing per type, size and spacing required**

**Water resistant barrier**

**Exterior insulation by others**

**Drainage mat material by others (can be in front of or behind insulation layer)**

**Mortar, scratch coat w/ lath embedded**

**Mortar, bond coat**

**TC Tile**

**Weep screed**

**Flashing by others**

**Recommended brick ledge (size based on amount of insulation required)**

**Foundation by others**

**Characteristics**

- **Absorption**
  - ASTM C67-02C
  - 7%

- **Moisture Expansion**
  - ISO 10545-10
  - < 0.02 - 0.03

- **Modulus of Rupture**
  - ASTM E880/C880M-15
  - 1370 psi

- **Freeze & Thaw**
  - ASTM C67
  - Tested to 50 Cycles & Passed

- **Reaction to Fire**
  - ASTM C67
  - Non flammable

- **Breaking Strength**
  - ASTM E880/C880-15
  - 127 lbf

- **Efflorescence**
  - ASTM C67-02C
  - No efflorescence

- **Chemical Resistance**
  - ASTM C67-02C
  - Resistant to low concentrations of acid and alkalis

**Panel Manufacturing Tolerances**

- **Linear panels with groove in Nutmeg**
  - 115mm x 600mm x 15mm

**Wall Assembly**

- **Scratch Coat**
- **Water Resistant Barrier**
- **Metal Lath**
- **Metal or Wood Stud**
- **Bonding Coat**
- **Metal Lath**
- **Water Resistant Barrier**
- **Sheathing**

**Panel Manufacturing Tolerances**

- **Effective panel dimensions**
  - 300mm x 600mm x 10mm

- **Panel thickness**
  - ± 2mm

- **Sheathing thickness**
  - 6.500 min.

- **Keyway at back panel surface**

- **Front of panel surface**

- **Back of panel**

- **Panel dimensions**
  - 10x300x600mm

- **Panel tolerances**
  - ± 2mm
  - ± 2mm
  - ± 3mm
  - ± 2mm

- **Recommended brick ledge (size based on amount of insulation required)**

- **Weep screed**

- **Flashing by others**
TC Rainscreen Light

Each TC Rainscreen Light panel production run is tailored to the specific color, shape, and texture characteristics unique to your project. These panels have a ship-lapped profile, as shown left, with a minimum height of 6 inches, maximum height of 24 inches, and maximum length of 4 feet. TC Rainscreen Light is attached to Fast Track Light. This is the thinner of our two open ventilated facade options. TC Rainscreen Light allows moisture drainage and air flow through the back of the panels. Refer to page 29 for details on corners and rain blockers. Panel edges are cut per shop drawings. This product is best suited for walls and soffits. Custom sizes, shapes, colors, and glazing are available upon request.

Specifications

<table>
<thead>
<tr>
<th>Standard Size Thickness</th>
<th>Colors</th>
<th>Finishes</th>
<th>Weight</th>
<th>Coursing</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; x 24&quot;</td>
<td>18mm</td>
<td>See pages 27-28 for options.</td>
<td>~6.4 lbs per square foot</td>
<td>Continuous horizontal, flexible vertical joint</td>
<td>Attached to Fast Track Light Brackets with clips at each panel corner inserted into slots at the back of the panel.</td>
</tr>
<tr>
<td>12&quot; x 36&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16&quot; x 36&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18&quot; x 36&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min 6&quot; high</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>max 24&quot; high</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>max 4’ long</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Suggested coursing patterns shown.

- Horizontal Stacked Bond
- Horizontal Running Bond
- Horizontal Random Running Bond
- Horizontal Zipper Bond
Parapet cap assembly by others
Fast Track Light end bracket assembly attached to sub frame
Wall framing per type, size and spacing required
Water resistant barrier
Fast Track Light intermediate bracket assembly attached to sub frame
Exterior insulation by others
All fasteners per engineering requirements
Fast Track Light intermediate bracket assembly attached to sub frame
Sub-frame assembly attached to metal studs
TC Rainscreen Light panel
Fast Track Light intermediate bracket assembly attached to sub frame
Sub-frame assembly attached to metal studs
Fast Track Light end bracket assembly attached to sub frame
Recommended brick ledge (size based on amount of insulation required)
Foundation by others

Characteristics
- Absorption
  ASTM C67-02C
  0.8 - 3.1%
- Moisture Expansion
  ISO 10545-10
  < 0.02 - 0.03%
- Modulus of Rupture
  ASTM E880/C880M-15
  3843.5 psi
- Freeze & Thaw
  ASTM C67
  Tested to 50 Cycles & Passed
- Reaction to Fire
  ASTM C67
  Non flammable
- Breaking Strength
  ASTM E880/C880-15
  903.7 lb
- Efflorescence
  ASTM C67-02C
  No efflorescence
- Chemical Resistance
  ASTM C67-02C
  Resistant to low concentrations of acid and alkalis

Panel Manufacturing Tolerances

<table>
<thead>
<tr>
<th>18x300x900mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>± 2mm</td>
</tr>
<tr>
<td>± 3mm</td>
</tr>
<tr>
<td>± 2mm</td>
</tr>
<tr>
<td>± 2mm</td>
</tr>
<tr>
<td>± 3mm</td>
</tr>
<tr>
<td>± 2mm</td>
</tr>
<tr>
<td>± 1mm</td>
</tr>
</tbody>
</table>

Exterior Insulation
Fast Track Light Intermediate Bracket
Fast Track Light Clip Assembly
TC Rainscreen Light Panel
Water Resistant Barrier
Sheathing

Wall Assembly

Smooth panel in Linen and Sierra Sands
500mm x 1200mm x 18mm

Smooth panel in Desert Stone
400mm x 900mm x 18mm

Sanded surface panels in Silver Mist
250mm x 18mm
Each TC Rainscreen panel production run is tailored to the specific color, shape, and texture characteristics unique to your project. These panels have a ship-lapped profile, shown left, with a minimum height of 6 inches, maximum height of 24 inches, and maximum length of 5’-6”. TC Rainscreen is attached to Fast Track Bronze. This is an open, ventilated facade system that allows moisture drainage and air flow at the back of the panels. Refer to page 29 for details on corners and rain blockers. These are best suited for walls and soffits. Panel edges are cut per shop drawings at the plant. Custom sizes, shapes, colors, and glazing are available upon request.

Specifications

<table>
<thead>
<tr>
<th>Standard Size</th>
<th>Thickness</th>
<th>Colors</th>
<th>Finishes</th>
<th>Weight</th>
<th>Coursing</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16” x 36”</td>
<td>30mm</td>
<td>See pages 27-28 for options.</td>
<td>See page 26 for options.</td>
<td>~8.4 lbs per square foot</td>
<td>Continuous horizontal, flexible vertical joint, vertical orientation possible with special cut kerfs at panel ends</td>
<td>Panel rests on horizontal Fast Track Bronze brackets &amp; is secured with clips at the top lip</td>
</tr>
<tr>
<td>16” x 48”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18” x 36”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Coursing Patterns

Suggested coursing patterns shown.

- Horizontal Stacked Bond
- Horizontal Running Bond
- Vertical Stacked Bond
- Horizontal Random Running Bond
- Horizontal Zipper Bond

Smooth panel in Colonial Maple
Parapet cap assembly by others

Fast Track Bronze top receiver bracket assembly attached to sub frame

Wall framing per type, size and spacing required

Water resistant barrier

Exterior insulation by others

All fasteners per engineering requirements

Fast Track Bronze intermediate bracket assembly attached to sub frame

TC Rainscreen panel

Sub frame attached to stand-off

TC Rainscreen panel

Fast Track Bronze starter bracket assembly attached to sub frame

Recommended brick ledge (size based on amount of insulation required)

Foundation by others

Characteristics

Absorption
ASTM C67-02C
2.6 - 4.7%

Moisture Expansion
ISO 10545-10
< 0.06%

Modulus of Rupture
ASTM E880/C880M-15
1838 - 1874 psi

Freeze & Thaw
ASTM C67
Tested to 50 Cycles & Passed

Reaction to Fire
ASTM C67
Non flammable

Breaking Strength
ASTM E880/C880-15
1180 - 1198 lbf

Efflorescence
ASTM C67-02C
No efflorescence

Chemical Resistance
ASTM C67-02C
Resistant to low concentrations of acid and alkalis

Wall Assembly

Exterior Insulation

Fast Track Bronze Intermediate Bracket

Fast Track Bronze Clip

TC Rainscreen Panel

Water Resistant Barrier

Sub Frame

Sheathing

Panel Manufacturing Tolerances

Smooth and Linear textures in Colonial Maple
410mm x 30mm, 35mm, 80mm

Panel Manufacturing Tolerances

Smooth panel in Redwood
300mm x 900mm x 20mm
Each TC Sealed panel production run is tailored to the specific color, shape, and texture characteristics unique to your project. These panels have kerfed top and bottom edges, as shown in the profile to the left. They have a minimum height of 6 inches, a maximum height of 24 inches, and maximum length of 5'-6". TC Sealed is attached to Fast Track Silver. This is a sealed facade system with backer rod and sealant installed at all joints. It is best suited for walls and soffits. We recommend polyurethane or silicone sealant for sealing all joints. Panel edges can be cut per shop drawings at the plant. See page 29 for corner details. Custom colors, glazing, and engobe glazing are available upon request.

### Specifications

<table>
<thead>
<tr>
<th>Standard Size</th>
<th>Thickness</th>
<th>Colors</th>
<th>Finishes</th>
<th>Weight</th>
<th>Coursing</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot; x 36&quot;</td>
<td>31.75mm</td>
<td>See pages 27-28 for options.</td>
<td>See page 26 for options.</td>
<td>~9 lbs per square foot</td>
<td>Continuous horizontal, flexible vertical joint, vertical orientation possible with special cut kerfs at panel ends</td>
<td>Panel rests on horizontal Fast Track Silver brackets &amp; is secured with clips at the top lip</td>
</tr>
<tr>
<td>16&quot; x 48&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18&quot; x 36&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min 6&quot; high</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>max 24&quot; high</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>max 5'-6&quot; long</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Coursing Patterns

Suggested coursing patterns shown.

- Horizontal Stacked Bond
- Vertical Stacked Bond
- Horizontal Random Running Bond
- Horizontal Running Bond
- Vertical Running Bond
- Horizontal Zipper Bond

Smooth panels in Sandstone 450mm x 900mm x 31.75mm.
Parapet cap assembly by others
Fast Track Silver top receiver bracket assembly attached to sub frame
Wall framing per type, size and spacing required
Water resistant barrier
Exterior insulation by others
All fasteners per engineering requirements
Sub frame assembly attached to metal studs
Fast Track Silver intermediate bracket assembly attached to sub frame
TC Sealed panel

Characteristics
- Absorption: ASTM C67-02C 4.7%
- Moisture Expansion: ISO 10545-10 < 0.06%
- Freeze & Thaw: ASTM C67 Tested to 50 Cycles & Passed
- Reaction to Fire: ASTM C67 Non flammable
- Breaking Strength: ASTM E880/C880-15 1180 - 1198 lbf
- Efflorescence: ASTM C67-02C No efflorescence
- Chemical Resistance: ASTM C67-02C Resistant to low concentrations of acid and alkalis

Wood Grain surfaces and Smooth panels in Linen 150, 250, 350, 400mm x 900mm x 18mm

Foundation by others

Panel Manufacturing Tolerances
32x400x1200mm

TC Sealed panel
Sub frame assembly attached to metal studs
Fast Track Silver starter bracket assembly attached to sub frame
Recommended brick ledge (size based on amount of insulation required)
Foundation by others

Wall Assembly

Metal or Wood Stud
Exterior Insulation
Sub Frame
Fast Track Silver Intermediate Bracket
Fast Track Silver Clip
TC Sealed Panel
Water Resistant Barrier
Sheathing

Characteristics
- Absorption: ASTM C67-02C 4.7%
- Moisture Expansion: ISO 10545-10 < 0.06%
- Freeze & Thaw: ASTM C67 Tested to 50 Cycles & Passed
- Reaction to Fire: ASTM C67 Non flammable
- Breaking Strength: ASTM E880/C880-15 1180 - 1198 lbf
- Efflorescence: ASTM C67-02C No efflorescence
- Chemical Resistance: ASTM C67-02C Resistant to low concentrations of acid and alkalis
Each TC Sunshade baguette production run is tailored to the specific color, shape and texture characteristics unique to your project. We offer four standard profiles, shown to the left. They are fin, 2”x 6” rectangle, 2”x 4” rectangle, and square. TC Sunshade baguettes come in a standard length of 5 feet with shorter lengths formed or cut to length according to project needs. These units can be installed in a horizontal or vertical orientation. Units can have various attachment methods based on design, orientation, and location. Baguettes are used in various applications, including as awnings over windows, parking garage screens, or mechanical equipment screens. Custom colors, glazing and engobe glazing are available upon request.

**Specifications**

<table>
<thead>
<tr>
<th>Standard Shapes</th>
<th>Colors</th>
<th>Finishes</th>
<th>Weight</th>
<th>Coursing</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” x 7” fin</td>
<td>See pages 27-28 for options.</td>
<td>See page 26 for options.</td>
<td>5.8 lbs/linear ft</td>
<td>Can be installed horizontally, vertically, or in other orientations</td>
<td>Varies. Typically interior support tube attached to wall hanger or angle clips attached to a sub frame.</td>
</tr>
<tr>
<td>2” x 6” rectangle</td>
<td></td>
<td></td>
<td>5.33 lbs/linear ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2” x 4” rectangle</td>
<td></td>
<td></td>
<td>4.5 lbs/linear ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2” x 2” square</td>
<td></td>
<td></td>
<td>2.25 lbs/linear ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Smooth Sunshade in Copperstone 50mm x 150mm x 1200mm
Characteristics

- **Absorption**
  - ASTM C67-02C
  - 3.3 - 5.6%

- **Moisture Expansion**
  - ISO 10545-10
  - < 0.06%

- **Modulus of Rupture**
  - ASTM E880/C880M-15
  - 1305 psi

- **Freeze & Thaw**
  - ASTM C67
  - Tested to 50 Cycles & Passed

- **Reaction to Fire**
  - ASTM C67
  - Non flammable

- **Breaking Strength**
  - ASTM E880/C880-15
  - 5230 lbf

- **Efflorescence**
  - ASTM C67-02C
  - No efflorescence

- **Chemical Resistance**
  - ASTM C67-02C
  - Resistant to low concentrations of acid and alkalis

**Panel Manufacturing Tolerances**

50x50x1200mm

<table>
<thead>
<tr>
<th>Tolerance</th>
<th>Roll Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>± 3mm</td>
<td>10000 ± 3mm</td>
</tr>
<tr>
<td>± 2mm</td>
<td>50.000 ± 2mm</td>
</tr>
<tr>
<td>± 1mm</td>
<td>2.000 ± 1mm</td>
</tr>
</tbody>
</table>

**Attachment Assembly**

- **Sub Frame**
- **2" x 2" Square TC Sunshade**
- **Wall Bracket**
- **Interior Support Tube**
Texture Options
Acme TC Cladding comes in five standard textures, with many subtypes. Custom textures are available.

Shapes
There is a variety of shapes to suit any look; perfect for a pop of pattern and bold designs. Shapes can align with facade elements or continue the eye along TC Sunshade lines. Custom shapes are available upon request. All panels are produced in metric sizes.

Color Options
Acme TC Cladding comes in a wide palette of standard colors. Custom colors, textures, glazing and engobing are available upon request.
Glaze & Engobe

TC Cladding produces vivid colors with a glassy surface like most ceramics. All standard colors can be manufactured with a shiny engobe finish, while enhancing the character of the terracotta. Custom colors also available.

Digital Surfaces

Achieving amazing replication of natural materials, like marble, wood, and stone, is possible through digital inkjet printing on smooth 12mm TC Cladding panels. This technology is proven and has been used on floor tile for decades. Custom printed surfaces are available.

Glazed Acme

Terracotta corner treatments should not be overlooked. Corners can be incorporated in any design style. These options are a separate attachment from Fast Track and are based on the panel type. We offer metal trim. Mitered corners are cut at the factory. Special shape terracotta corners blend seamlessly with panels and use a separate attachment system.

Rain blockers are typically installed at vertical joints for TC Rainscreen and TC Rainscreen Light. The zinc aluminum metal rain blocker is typically installed at all the vertical joints between panels. The standard option is powder coated in black. However it can be powder coated in other options as specified. The EPDM rain blocker is installed at mitered outside corners. Rain blockers are optional for interior installations.
Customization

Combining color and texture are the basics of design, but when you consider the full scope of TC Cladding you realize it’s true custom potential.

Right: The smooth shapes and colors of TC Sunshade create the illusion of color blocking on the facade of this parking garage, while allowing ventilation and screening for automobiles.

Below: TC Tile and inkjet printed wood grain surfaces.

Left: Combining colors can make an eye catching detail.

Right: Etching into solid panels can be done in any design.

Top: Combine sunshade and panels for a dramatic look.

Above: Subtle flower etched into white panels.

Left: Many other TC Sunshade profiles available upon request.