
Terra5
TERRACOTTA RAINSCREENS
CLADDING CORP

System^5

A successful drained and back-ventilated rainscreen is not limited to the cladding materials and sub-framing system alone, it requires educated design based upon a holistic approach to detailing the exterior envelope. System^5 is a fully integrated rainscreen approach that begins with the outer skin of the wall and works its way back to the air/water barrier (AWB). Rather than isolating the design of the cladding materials independent of the entire wall assembly, System^5 focuses on all of the elements required to create a weathertight cladding assembly.

Cladding Corp is an advocate for this "outside-in" approach and base our systems around *The 5 Principles of Rainscreen Cladding Design*, starting with the selection of the cladding material and ending with the inner waterproofing of the wall.

THE 5 PRINCIPLES DEFINED:

1. **CLADDING MATERIAL SELECTION**
   Select and understand the performance characteristics of the cladding product
2. **OUTER MOISTURE CONTROL**
   Design cladding and joints to deter water from entering system cavity
3. **CLADDING CAVITY DESIGN**
   Design the cladding cavity with a specific focus on ventilation, thermal and acoustic performance
4. **ENGINEERED SUBFRAMING**
   Design system with a focus on material, structural and seismic performance
5. **INNER MOISTURE CONTROL**
   Design air/water barrier with a focus on flashing details and backup wall type

TERRY WIECKERT

Andrew H. Wilson School - New Orleans, LA / *HMS Architects*

Terra^5
Terracotta

For centuries, kiln-fired terracotta has been one of the most beautiful and long-lasting building materials that construction has known and has only recently emerged as a warm and timeless medium for modern rainscreen design. By combining our terracotta panels with the System^5 design approach, Terra^5 is born.

As one of North America's most referenced terracotta rainscreen system providers, Cladding Corp provides a rainscreen solution that incorporates *The 5 Principles of Rainscreen Cladding Design* and offers terracotta in a diverse range of colors and format sizes, engineered for project-specific criteria.

Cladding Corp is committed to providing a variety of fully-engineered attachment system solutions that simplify the complexity of design, aid in constructability and ensure the optimal performance of our CERAM and BERSAL rainscreen panel assemblies.

Edward Jones Corporate Headquarters - St. Louis, MO / *Arcturis Architects*

Why Terra^5 Terracotta?

For designers who are committed to using natural materials for their rainscreen designs, our terracotta products offer the following advantages:

- 100% Natural Material
- Porcelain-Grade Classification
- Energy Efficient
- Non-Combustible
- Year Round Installation
- Natural Ventilation
- Acoustic Advantages
- Maintenance Free System
- New-Build or Re-Clad Applications

University Mall - Tampa, FL / *Omniplan Architects*

TERRY WIECKERT

Northeast Iowa Community College - Calmar, IA / *Invision Architecture*

CERAM

A double-skinned terracotta cladding tile designed as part of our System[5] Terracotta rainscreen assembly. CERAM combines the timeless beauty and warmth of extruded terracotta with the technical performance of a cutting-edge cladding material. The tile's characteristic fluted inner cavity and lowest classification of water absorption allows it to be both impact and pollution resistant - the perfect facade for high traffic areas.

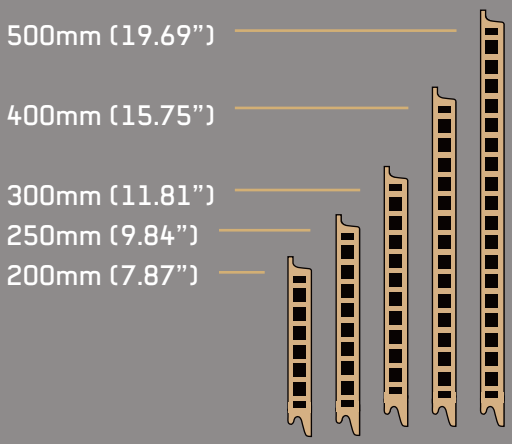
In order to be as adaptable and versatile as possible, the CERAM system is available in modular heights and lengths – mix and match any height and length to create your façade design.

All of these options are available in one adaptable attachment system.

TERRY WIECKERT

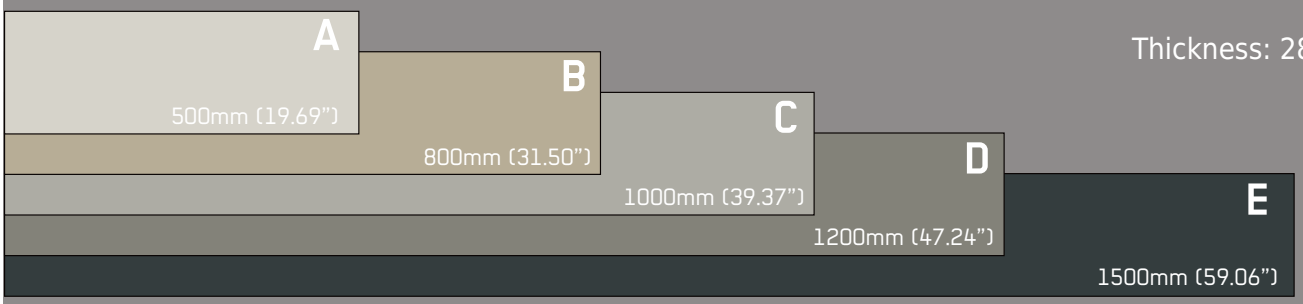
Kirkwood Culinary Institute Hotel - Cedar Rapids, IA / *OPN Architects*

STANDARD HEIGHTS



STANDARD LENGTHS

Determine which size works best for your project. Both small and large format sizes are possible.



Thickness: 28mm (1.10")

BERSAL

A terracotta rainscreen solution for applications where weight of the facade and project budget call for a thinner, more economical approach. Designed to be a versatile and economical solution for terracotta rainscreen, the BERSAL system offers the elegance and beauty of terracotta in a System[5] rainscreen package to fit any budget.

Available in similar format sizes of its sister product CERAM, BERSAL is redefining the rules of terracotta cladding here in North America without sacrificing the impact resistance of a double-skinned tile format.

Paired with a horizontal rail system, BERSAL is uniquely suited for projects where the depth of the ventilated cavity is an issue, offering limitless design possibilities for both retrofit and new-build construction.

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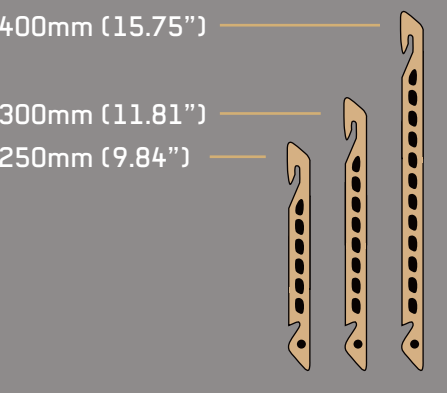
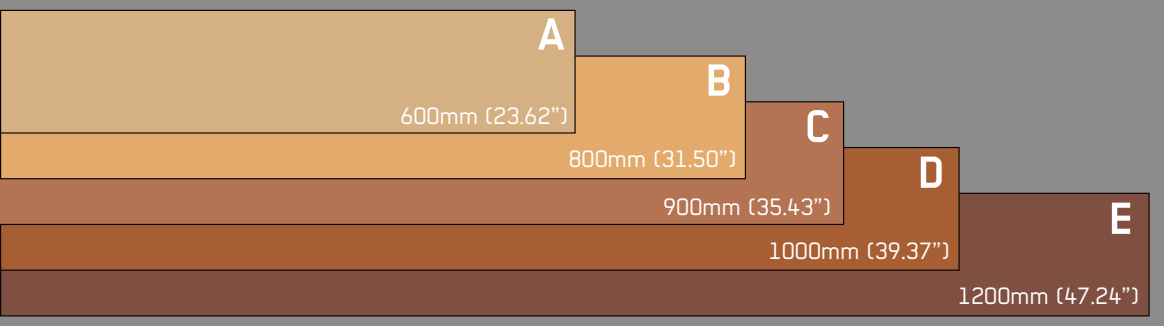
Delta Dental - Des Moines, IA / *OPN Architects*

STANDARD HEIGHTS



STANDARD LENGTHS

A thin-skinned tile that is lightweight, economical and easy to maneuver and install.



Thickness: 16mm (0.63")

System^5 Design Approach

We only use durable, non-corrosive sub-framing components that are engineered and tested to withstand all project loading criteria, including thermal movements, windloads, impact and seismic forces.

TIM HURSLEY

Garland Ave. Bookstore and Parking Garage - Fayetteville, AR / *HLKB Architecture*

BAGUETTES and LOUVERS

As sustainable architecture continues to call on sunscreen systems as an integral part of the solution for an energy efficient design – natural clay sunscreen products are gaining increased prominence over other louver systems. Coupled with the benefits of a System^5 rainscreen assembly, these baguettes and louvers can offer additional improvements to the thermal performance of the building envelope.

Available in the full range of colors – an ideal complement to your CERAM or BERSAL design.

BRIOL BAGUETTE
60mmx60mm [2.36”x2.36”]
Square Tubular Baguette

JAVA LOUVRE
60mmx120mm [2.36”x4.72”]
Rectangular Tubular Louvre

ORONA LOUVRE
60mmx250mm [2.36”x9.84”]
Wing-Shaped Louvre

Garland Ave. Parking Garage - Fayetteville, AR / *HLKB Architecture*

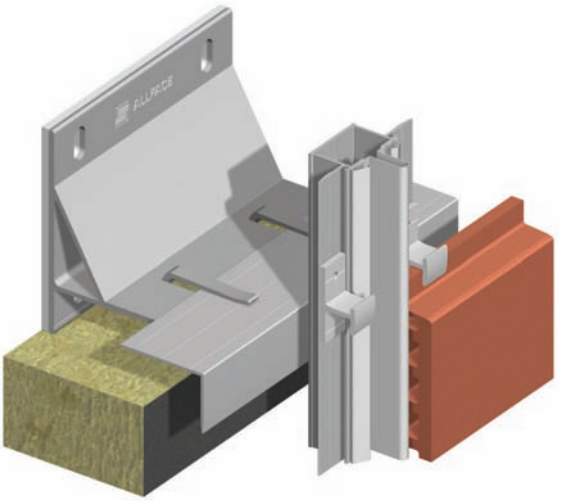
Engineered Attachment Systems

Our Terra[5] engineered systems offer a full range of services from initial detailing and design assistance to shop drawings and engineered calculations to jobsite training and final installation support.

F2.22 SYSTEM

CERAM

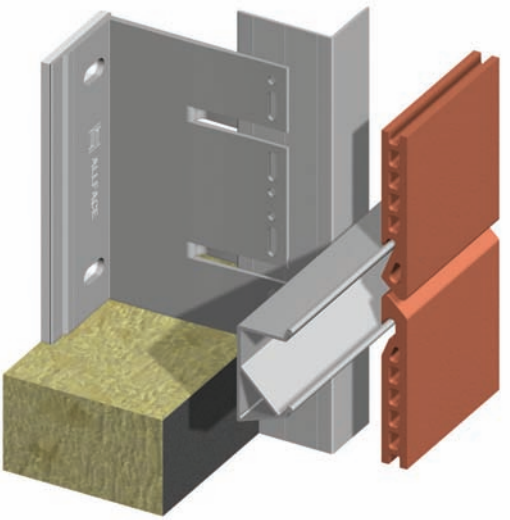
This system is designed for the double-skinned CERAM tile with mechanical clips that are concealed in the horizontal tile shiplap and attached to a vertical Hat or T-Profile. System is fully engineered, with color-matched tile clips and vertical joint profiles, ready for installation.



F1.55 SYSTEM

BERSAL

Versatile horizontal rail system designed specifically for the thin, fluted BERSAL tile format. Allows maximum flexibility in panel layout with running-bond patterns possible. Fully-engineered, economical and easy to install. Horizontal rail can be painted black as an option.



As an industry-leader in drained and back-ventilated rainscreen design, Cladding Corp offers a variety of engineered attachment systems for terracotta cladding applications. Cladding Corp's System[5] engineered solutions offer designers and contractors alike "project specific" support to facilitate modern architectural design with advanced engineered attachment solutions.

System5

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