

Terracotta Rainscreens

Products, systems, and solutions





Timeless and authentic, our full-service approach

For centuries, kiln-fired terracotta has been one of the most beautiful and long-lasting building materials. In modern times, it has re-emerged as a warm and timeless medium for sustainable rainscreen design. As a product, Terra5 terracotta rainscreens uniquely address the complete wall assembly from the sheathing to the tile, providing high-quality terracotta finishes along with fully-engineered walls.

Terra5 is a single-source rainscreen solution. As one of North America's most referenced terracotta rainscreen system providers, Cladding Corp provides a rainscreen solution that incorporates rainscreen design principles and offers terracotta in a diverse range of colors and format sizes, engineered for project-specific criteria.

Our team evaluates the thermal impact of the rainscreen on the building, the implications of penetrations on the air-barrier, the need for internal adjustability without shims, the ease of installation, and provides a fully-engineered wall design. We support the highest grade of terracotta manufacturing with a complete, engineered subframing system. Terra5 is perfect for new construction and retrofit. We have a full range of shapes, sizes, and colors for both terracotta panels and sunscreens.

25+ years of experience

Cladding Corp serves as North America's rainscreen solution provider. In all that we do, our goal is to master the art and science of proper drained and back-ventilated (DBV) rainscreen design. For over 25 years, we have pioneered terracotta rainscreen in the United States advocating for a systems-based solution for the cladding panels and support structure that consider all the design and structural criteria of the project. Our commitment is not only to the design aesthetics of your building but also to its long-term performance.



1255 22nd Street NW - Washington, DC / MFTA Architecture

Advantages

Thermal modeled performance

Our non-continuous, thermally broken wall brackets have been thermally modeled by Morrison Hershfield to help designers achieve the intended U-value for their wall and demonstrate what insulation material thickness is required to meet or exceed ASHRAE standards. To assist the design community, multiple thicknesses of the three most common insulation materials (mineral wool, polyiso exterior boards, and polyiso spray foam) have been modeled. Using our thermal modeling calculator, tile and subframing layout can be determined and the corresponding wall's U Value can be provided. Thermal performance just got a whole lot simpler.





Installers love Terra5 thanks to our category-leading terracotta tile clips, **Rapid ClipTM**. You can work at a fast or rapid 'clip' as you install our tiles thanks to this unique, engineered tile clip that creates installation efficiencies and is easy to install.



Engineered System

Wall consultants love Terra5's fullyengineered system in which the entire wall is designed to accommodate project wind loads, seismic loads, building slab-to-slab deflections, and thermal movements of materials.

Affordable Quality

Building owners love that with Terra5 Rainscreens you don't have to sacrifice quality with affordability. Coupled with the ability to span greater distances due to the engineered subframing, our systems save on material and labor costs.



U of Arkansas Bookstore & Garland Ave. Parking Garage - Fayetteville, AR / HLKB Architecture

Product Overview

TC18

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 TC18 tile format offers the elegance and beauty of terracotta in a rainscreen package to fit any budget.

TC18 is redefining the rules of terracotta cladding in North America, without sacrificing the impact resistance of a double-skinned tile format.

Paired with a horizontal rail system, TC18 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.

TC18 panels come in the same consistent thickness (18mm / 0.71")

TC30

TC30 is one of the best performing terracotta rainscreen tile formats on the market today. TC30 tiles are available in five standard heights of 200mm (7.87"), 250mm (9.84"), 300mm (11.81"), 350mm (13.87") and 400mm (15.75"). The standard lengths are two, three, four and five feet. Tiles with greater heights and length are available.

TC30 panels come in 30mm thickness or 1.18 inches. The 30mm tile is a perfect thickness to create a variety of interesting façade features. TC30 comes in a large range of colors and can be custom matched or glazed. The tile has been incorporated in recognized facades around the world.





Product Overview

Sunscreens

As sustainable architecture continues to call on sunscreen systems as an integral part of the solution for energy-efficient design, natural clay sunscreen products are gaining increased prominence over other louver systems to shade glazing and curtain wall sections. The ideal solution for applications with large portions of glass and glazing, terracotta sunscreens can provide natural thermal comfort for the interior while still letting in needed natural light.

Terra5 sunscreens come in 4 classic baguette sizes and 3 different louvers. The sunscreens are available in lengths up to five feet. Custom shapes are also available as well as a full standard range of colors and glazed options.

BAGUETTES





LOUVERS











Mission College Student Center - Santa Clara, CA / LIONAKIS



College of Marin Academic Building - Kentfield, CA / Mark Cavagnero Associates



Juniper Networks - Sunnyvale, CA / RMW Architecture



Lauritzen Outpatient Center - Omaha, NE / RDG Planning & HOK Architects



The Learning Commons at St. John's University -Collegeville, MN / CSNA Architects



U of Arkansas Bookstore & Garland Ave. Parking Garage - Fayetteville, AR / HLKB Architecture

Systems



Vci.45 - Landscape Layout

This subframing system is designed for TC18 tiles and incorporates a horizontal rail and **Back Clips**TM. Panels are secured into place as the installer moves up to the next tile. Installation is quick and easy with perfect alignment controlled by the vertical joint profile. The clips are concealed in the tile's ship-lap. Installers love the production rate of this system. The wall bracket provides 1.5" of adjustability outside



of the substrate and the bracket's strength provides maximum bracket spanning, minimizing air barrier penetrations. For use with either plywood, stud, or concrete back-up wall conditions.



Installation of the U of Arkansas Bookstore - Fayetteville, AR / HLKB Architecture

Vci.46 - Landscape Layout

This subframing system is designed for TC30 tiles and incorporates a horizontal rail and **Rapid Clips**TM. Panels are secured into place as the installer moves up to the next tile. Installation is quick and easy with perfect alignment controlled by the vertical joint profile. The clips are concealed in the tile's ship-lap. Installers love the production rate of this system. The wall bracket provides 1.5" of adjustability outside



of the substrate and the bracket's strength provides maximum bracket spanning, minimizing air barrier penetrations. For use with either plywood, stud, or concrete back-up wall conditions.

Vci.46 - Portrait Layout

The system is designed for TC30 tiles. The Vci.46 subframing system incorporates a horizontal rail designed specifically for portraitoriented fluted terracotta cladding tile formats. **Rapid Clips™** are secured in the horizontal joints. The wall bracket provides 1.5" of adjustability outside of the substrate and the bracket's strength provides maximum spanning, minimizing air barrier penetrations. For use with either plywood, stud, or concrete wall conditions.



Hci.22 - Landscape Layout

The system is designed for TC30 tiles and incorporates a vertical hat rail with clips. The system is quick and easy with perfect alignment controlled by the vertical joint profile.

Clips are concealed in the tile's ship-lap. The wall bracket provides 1.5" of adjustability outside of the substrate and the

aluminum provides minimum air barrier penetrations. For use with either plywood, stud, or concrete backup wall conditions.

Sunscreen System

Baguette and Louver Sunscreen subframing system that incorporates a versatile threaded rod and vertical outrigger design specifically engineered for terracotta baguette and louver shapes of up to 5ft in length.





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U of Washington Gates Center - Seattle, WA / LMN Architects



 $\mathsf{McCormick}$ & Company, Inc. - Hunt Valley, MD / Studios Architecture



Tukwila King County Library - Tukwila, WA / Perkins + Will



1255 22nd Street NW - Washington, DC / MFTA Architecture



Nine East Mount Royal - Baltimore, MD / Waldon Studio Architects



University of Iowa Psychology & Brain Sciences - Iowa City, IA / BNIM Architects



Darmouth University Anonymous Hall - Hanover, NH / Leers Weinzapfel Associates



Academies of Loudoun - Leesburg, VA / Stantec



Greenwood Village Public Works - Greenwood Village, CO / D2C Architects