



AVENERE CLADDING LLC

NEACERA[®]

AFFORDABLE TERRA-COTTA WITH UP TO A 30-YEAR WARRANTY!



The Industry's Premium & Affordable



Terra-cotta Rainscreen Solution!



PRODUCT OVERVIEW

Avenere Cladding LLC specializes in NeaCera® Terra-cotta rainscreen panels and Vizor™ sunscreens throughout the United States. All of our products feature an industry-leading warranty and are the ideal building solutions for Architects, Builders and Installers alike.

NeaCera® is a complete, pre-engineered architectural back-ventilated rainscreen solution. Featuring Lift & Lock technology, NeaCera® panels weigh less than 7.5 lbs. per square foot. Their innovation comes from a solid, high-strength design with rear reinforcing ribs that also serve as a simple and fully integrated panel hanging mechanism. As a result, panels are quickly and easily installed onto aluminum Support Profiles with Joint Inserts, assuring consistent and uniform vertical and horizontal alignment. This substantial weight reduction as compared to competing Terra-cotta systems weighing 12-15 lbs. results in a considerable savings when designing and building with NeaCera®.

Durable as well as beautiful, NeaCera® Terra-cotta panels arrive at your job site ready to install.

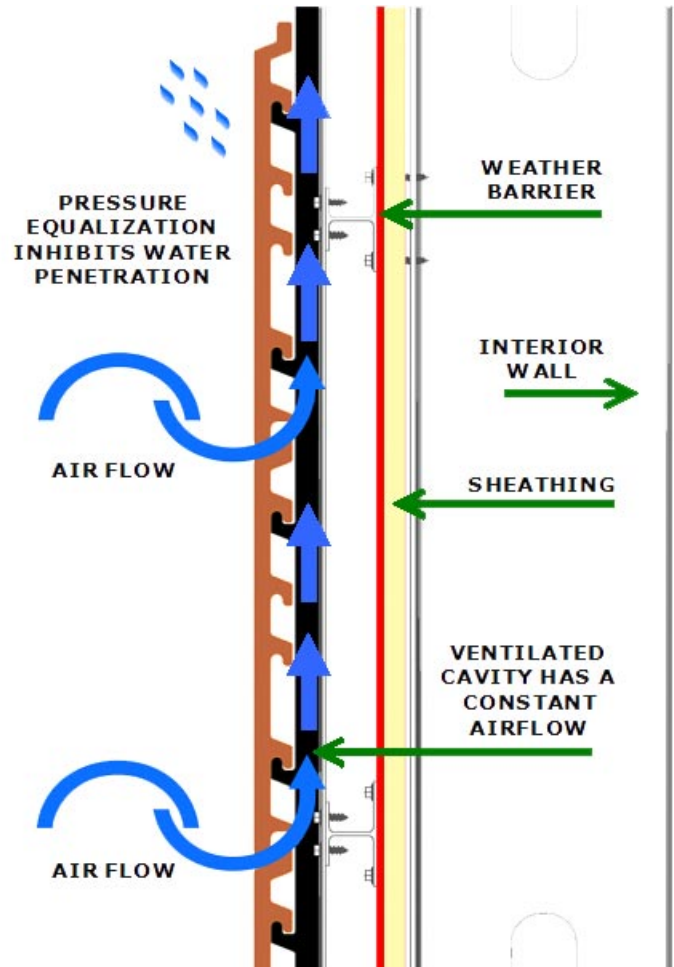


NEACERA® is truly a

RAINSCREEN PRINCIPLE



NeaCera® is based on the scientifically proven rainscreen principle. Simply stated, rainscreen (or back-ventilated) wall solutions can best be described as “breathing” or “living” walls. A ventilated cavity allows any rain water or condensation that penetrates beyond the wall panels to drain or quickly evaporate due to the constant flow of air. The second line of defense is a watertight weather-barrier that seals the interior of the building. Together they form a robust cladding solution that is unparalleled at preventing water penetration into the interior wall.



cutting-edge rainscreen solution!



NEACERA®

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MATT FINISHES

NeaCera® panels are offered in 10 Matt Finishes that are classic and distinctive.



SATIN FINISHES

Where a more polished or honed look is preferred, NeaCera® panels are available in 12 Satin Finishes.



STONE FINISHES

Stone Finishes result from a powder coating process applied to Matt or Satin colors prior to firing.



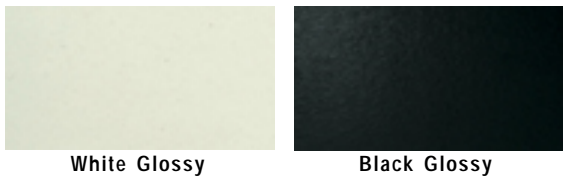
TRAVERTINE FINISHES

Travertine Finishes represent a new and exciting look that suggests the elegance of marble while maintaining the convenience and affordability of NeaCera Terra-cotta.



GLOSS FINISHES

For a modern look, consider NeaCera® panels in Gloss Finishes.



All NEACERA® Terra-cotta Panels include

LIFETIME RAFFITI PROTECTION!

It's efficient, long-lasting, immediately effective & never needs to be reapplied.

Note: Color representations on this page can vary from the real color. NeaCera panels are natural clay products and therefore are not perfectly consistent. Some colors and aggregate variations may exist.

GLAZED & CUSTOM FINISHES

NeaCera® panels come in an unlimited spectrum of **Glazed and Custom Finishes**. Corporate colors also available.



Blue 1



Blue 2



Blue 3



Blue 4



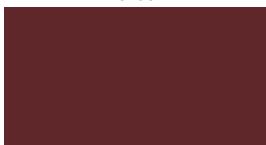
Violet 1



Violet 2



Violet 3



Brown 1



Brown 2

Features **LIFETIME**  **GRAFFITI PROTECTION!**

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Green 1



Green 2



Green 3



Green 4



Turquoise 1



Turquoise 2



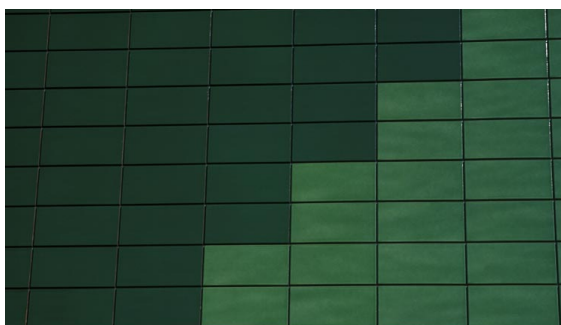
Turquoise 3



Golden 1



Golden 2



Ochre 1



Ochre 2



Coral 1



Coral 2



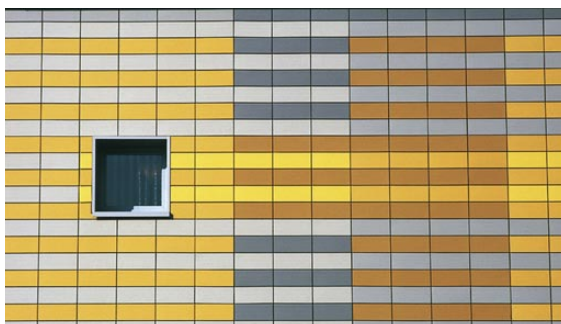
Coral 3



Orange 1



Orange 2



Rose 1



Rose 2

NEACERA®

NEACERA®

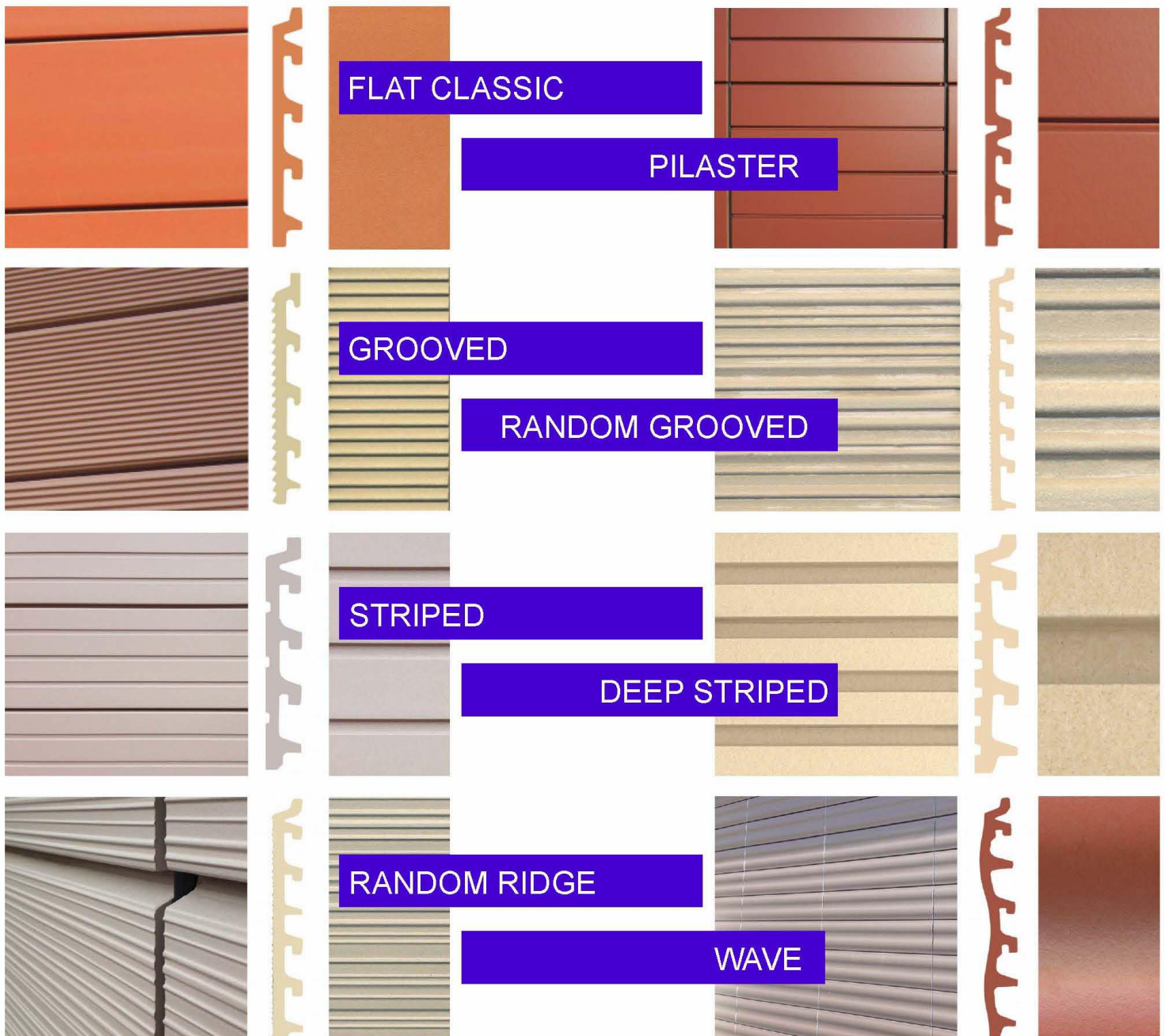


PANEL TECHNOLOGY

NeaCera® Terra-cotta panels embody the very best in terms of raw materials, manufacturing technology and innovative design. To begin with, only the highest-grade virgin clays, which is paramount to producing a robust/impact-resistant finished material.

Next, the materials are processed with proprietary manufacturing techniques that maximize the performance characteristics of terra cotta. Notably, the patented Keralis® Baking Procedure (max temperature of 2200°F) utilizes a multi-stage firing and annealing process to bolster the material's microcrystalline structure. The result is an ultra-hard material that is free of inclusions and has superior color-fastness and impact/chip-resistance.

PANEL SHAPES



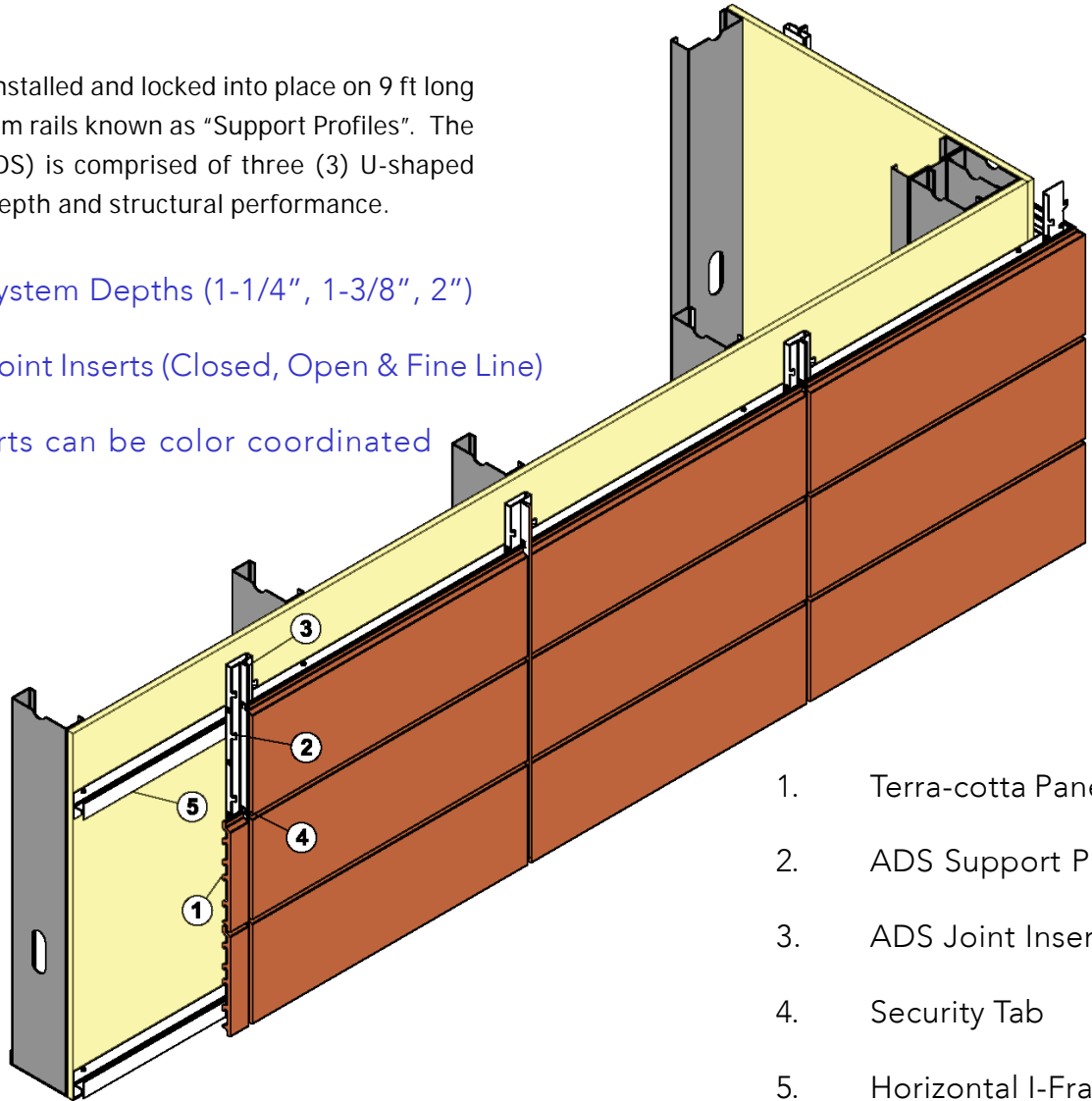
SUPPORT PROFILES

(ADS SYSTEM)



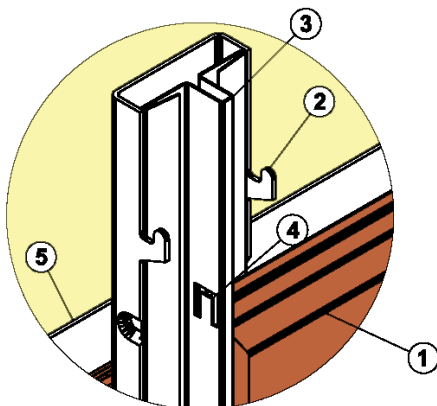
NeaCera panels are installed and locked into place on 9 ft long x 2.5 in wide aluminum rails known as "Support Profiles". The Adaptive System (ADS) is comprised of three (3) U-shaped frames that vary in depth and structural performance.

- o Multiple System Depths (1-1/4", 1-3/8", 2")
- o Different Joint Inserts (Closed, Open & Fine Line)
- o Joint Inserts can be color coordinated

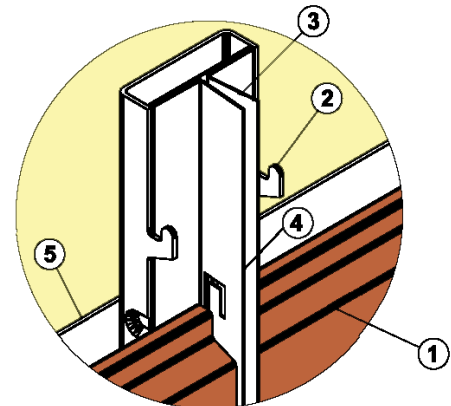


1. Terra-cotta Panel
2. ADS Support Profile
3. ADS Joint Insert
4. Security Tab
5. Horizontal I-Frame™

Closed Joint Insert



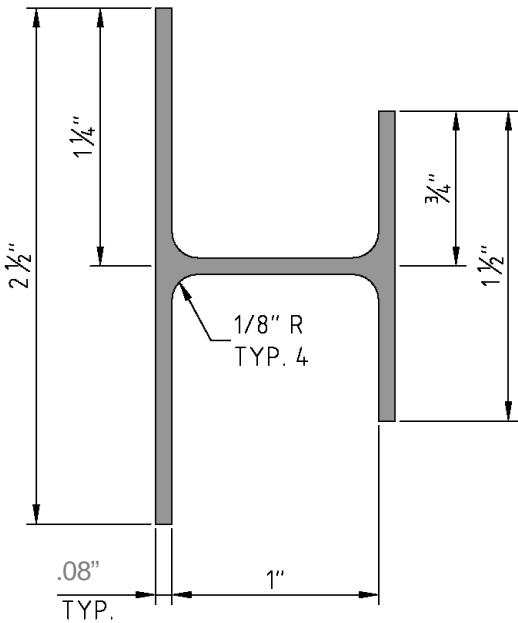
Open Joint Insert





SUB-CONSTRUCTION

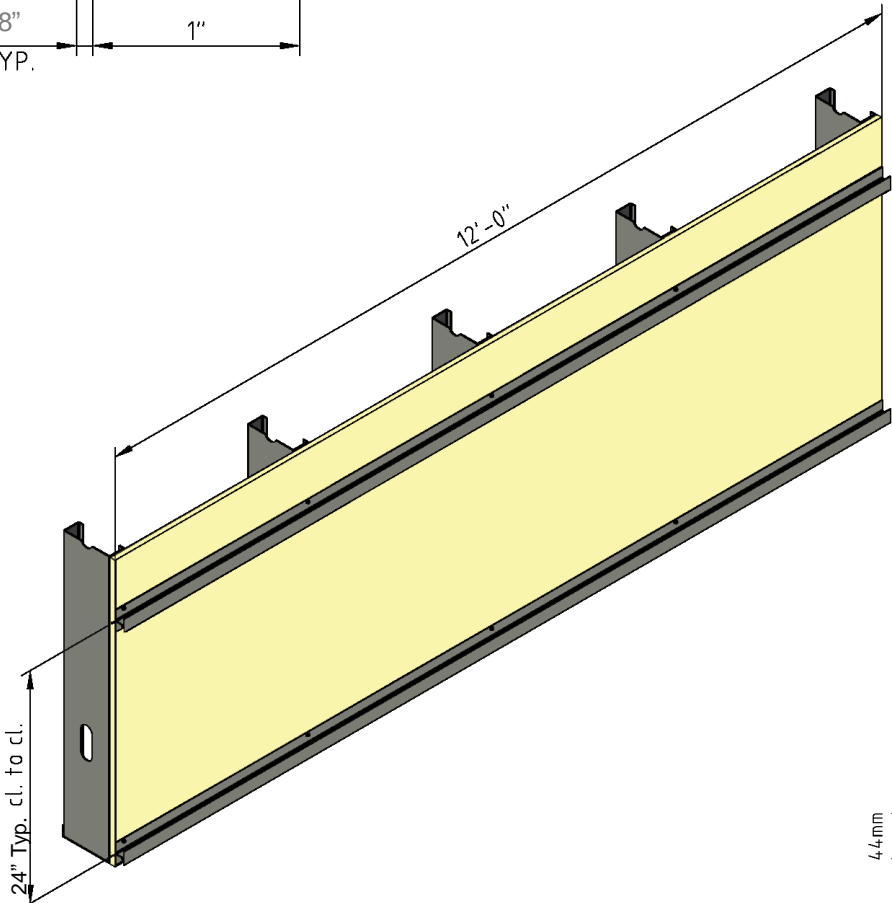
I-FRAME™



The sub-construction of the NeaCera rainscreen system has been intelligently designed with ease of installation in mind and the flexibility to accommodate any external insulation size. Unlike other systems that require a litany of cumbersome parts, our engineers have developed a single structural component known as the I-Frame.

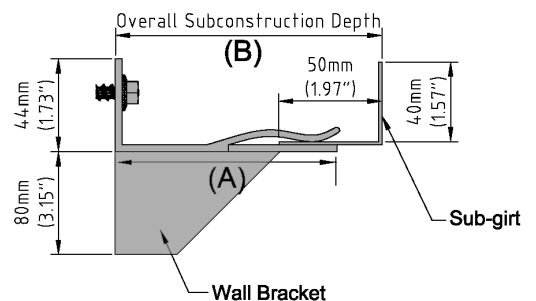
The I-Frame is a lightweight, yet durable, 6061-T6 aluminum extrusion with superior corrosion resistant properties. It is manufactured in 12 foot sections, weighing approximately 6 lbs each, and can be easily trimmed in the field to adapt to any building dimension. Moreover, its enhanced I-Shaped design gives tool access to both the front flange and the rear flange for an effortless installation process.

Each I-Frame is nominally spaced 27 inches apart and attached directly to the vertical studs of the building. In turn, the vertical panel supports are fastened to the resultant network of I-Frames for optimal strength and rigidity.



- Lightweight
- Durable
- Corrosion Resistant
- Versatile
- Easy to Install

ADS BRACKET



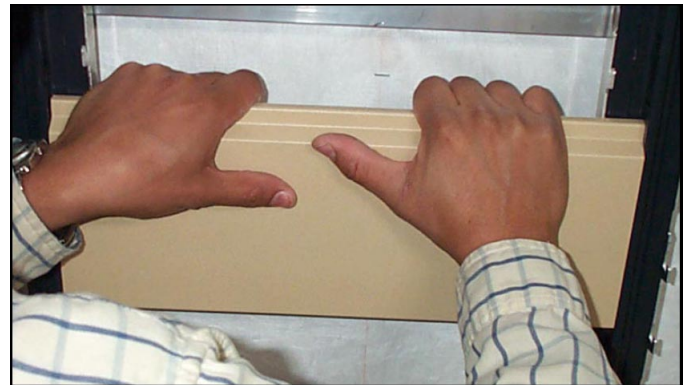
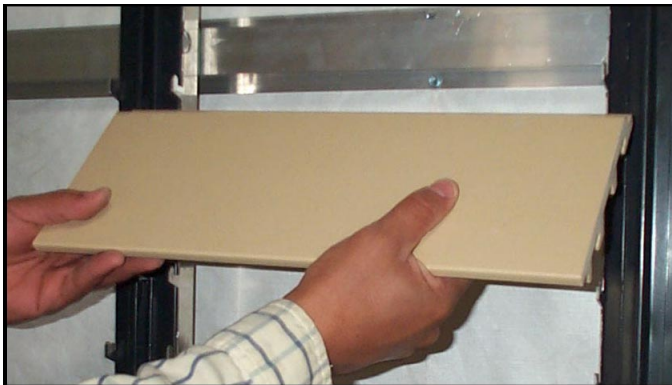
Lift & Lock INSTALLATION



NeaCera is simple and easy to install. With our patented *Lift & Lock* System, NeaCera panels are literally “Out of the box and Onto the wall”.

Virtually all other terra-cotta based wall systems require multiple clips and supporting components throughout the installation process. The engineers at Avenere Cladding LLC have integrated the panel support mechanism directly into the back of the panel itself. As a result, installing NeaCera panels is as easy as Lifting and Locking them into place.

- o “Out of the box and Onto the wall”
- o No Clips, Hangers or external support
- o Panels are securely locked in place



Lift

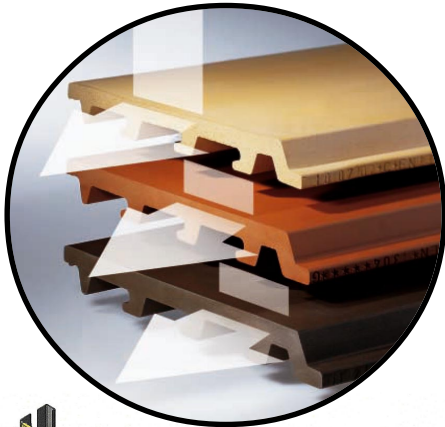
&

Lock



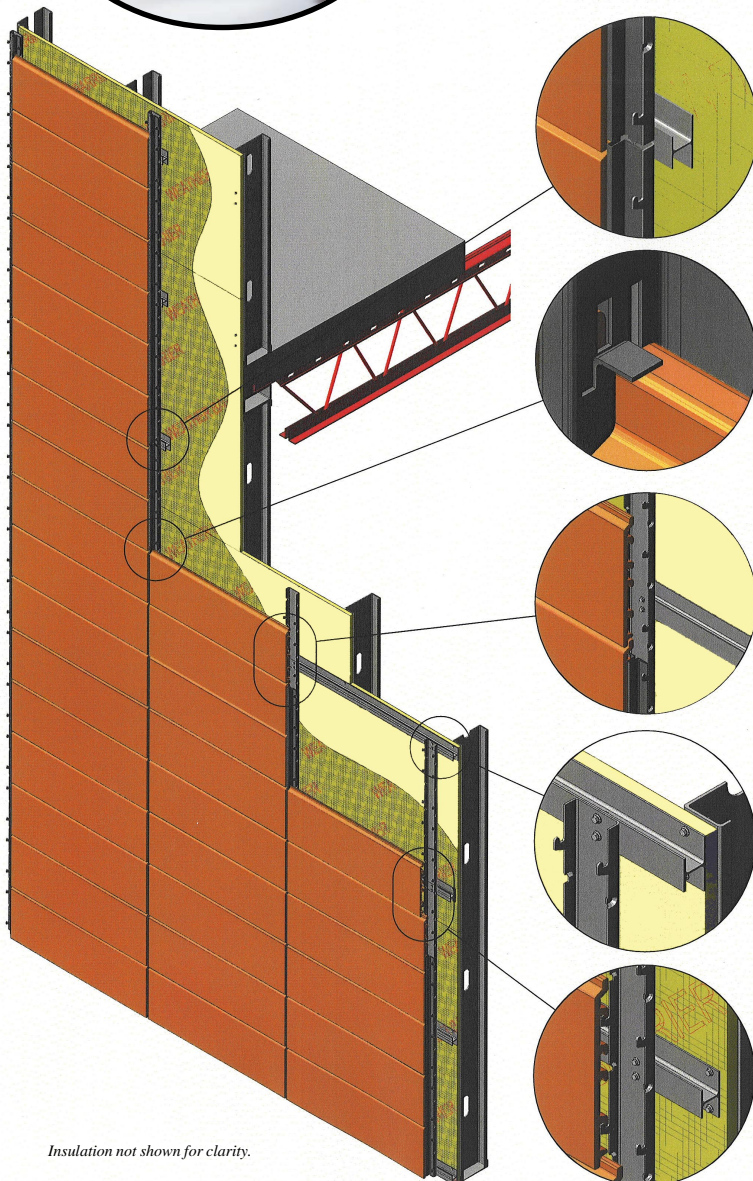


SYSTEM OVERVIEW



NeaCera® is the latest innovation in terra-cotta panel technology. Our panels and Vizors™ are derived from the finest raw materials and produced by a propriety technology that has been developed and perfected over several decades to optimize product strength and durability. Moreover, our intelligently designed Support Profiles and Horizontal Sub-construction set the standard in terms of ease of installation and system flexibility. At 7.5 PSF, almost half of the weight of comparable systems, NeaCera boasts the distinction of being the “best in class” for system design and performance.

NeaCera has a full array of panel colors, sizes, surfaces and shapes. With natural, premium and an unlimited spectrum of custom colors, a designer’s imagination is truly his/her only limitation. Panel sizes range from 6 inches to 24 inches in height and anywhere from 16 inches to 78 inches in width. Please see our full range of terra-cotta Vizors in Lamella, Baguette and Quad shapes.



Insulation not shown for clarity.

Support Profiles:

Come in 9ft lengths and are available in 4 depths, oriented vertically, diagonally or horizontally (for ceilings). Includes 2 hooks that engage at each end of the panel ribs, no matter what the panel width.

Joint Inserts:

Snap into Support Profiles and provide panel alignment and a spring to prevent panel rattle. Security tabs are cut into every Joint Insert at the top of panels to prevent removal at ground levels. Provides a vertical channel to direct water away from the sub-construction.

Horizontal Panel Joints:

Panels overlap 3/8" to prevent water flow from the forces of gravity, momentum, surface tension and capillary action.

I-Frames™:

I-Frames are available in 1", 2", 2.5", and 3" depths, and are securely fastened to the vertical wall studs. They accommodate the random spacing of wall studs when attaching Support Profiles and support exterior insulation.

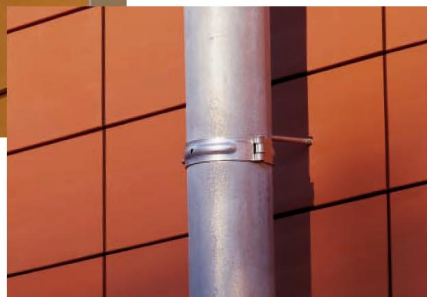
Weather Barrier:

An air/water barrier is important to control penetration of water, air and vapor for the success of every rainscreen wall assembly.

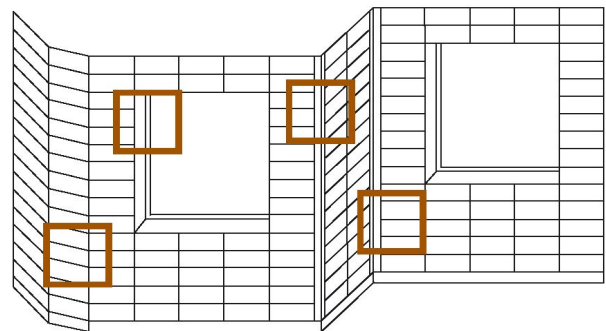
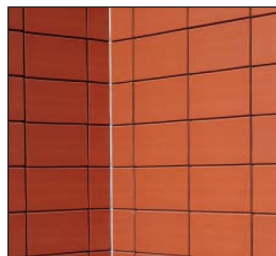
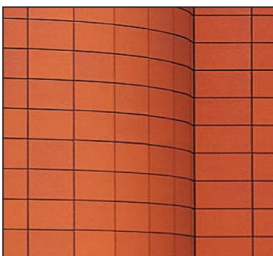
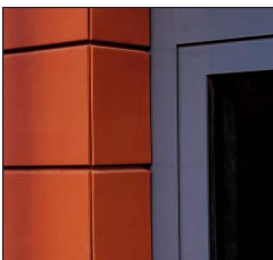
DESIGN FLEXIBILITY



NeaCera was designed to accommodate a wide variety of facade conditions and building fixtures. From outside corners to soffits to light fixtures, NeaCera has an intuitive and seamless solution.



- o Outside Corners / Inside Corners
- o Doors / Windows
- o Soffits
- o Light Fixtures
- o Door Overhangs
- o Gable Ends





TECHNICAL DATA



**Because of the numerous choices of panel sizes and sub-construction, please call 866.388.8833 for specifics for your application or visit our website www.avenerecladding.com

WARRANTY:	Up To A 30 Year Warranty	
PANEL HEIGHTS: (Custom Sizes Available)	150mm (5.9"), 175mm (6.9"), 200mm (7.9"), 225mm (8.9"), 250mm (9.8"), 300mm (11.8"), 400mm (15.7"), 500mm (19.7"), and 600mm (23.6")-Also available: 204.3mm (8"), 304.8mm (12"), 328mm(12 15/16"), 315mm(12 3/8")	
PANEL WIDTHS:	From 400mm (15.8") to 2000mm (78.8")	
PANEL THICKNESS:	22mm (.87"), 26mm (1.02"), 34mm (1.34")	
SYSTEM WEIGHT:	7.5 lb/sf (based on 26mm thick panel)	
HORIZONTAL I-FRAME DIMENSIONS:	1.2", 2.2" or 3.2" X 12' Long	
HORIZONTAL I-FRAME SPACING:	24" O.C.- Typical	
VERTICAL SUPPORT PROFILES:	TYPE	OVERALL SYSTEM DEPTH
	Base (BAS)	Min. 27mm (1.06")
	Adaptive (ADS)	Max. 264.5mm (10.4")
VERTICAL PANEL SUPPORTS LENGTH:	2743.2mm (9') Typical	
JOINT WIDTH:	9mm (0.35") Typical	
PANEL SHAPES [6]:	Flat-Classic, Grooved, Pilaster, Curved, Striped and Vented	

VIZORS™



Vizors™ are an enchanting accent to any building façade. Essentially, the addition of long linear elements to the building surface is a clever way to achieve artistic shading and to create the optical illusion of infinite depth.



More importantly, they also provide an effective means of protection from the intense ultraviolet rays of the sun. In summer months, heat gain through an unprotected glass curtain wall can drive energy costs to exorbitant levels. Sunscreens can not only combat this phenomenon but, as mentioned, enhance the aesthetic appeal of the exterior elevation.

Vizors™ are offered in three distinct shapes: Lamella, Baguette and Quad. Each design creates a unique look and can be suspended vertically or horizontally. Lamella and Baguette are available in Brick Red (Natural) and Manganese colors. Quads are available in the full range of NeaCera® Natural and Premium colors.



Lamella



Baguette



Quad

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