Avenere Cladding
“We’re proud of everything we’ve built in Denver and Union Station, but The Coloradan may end up being our crown jewel.”

– Chris Frampton, Managing Partner, East West Partners
Terra-cotta Rainscreen Solution!
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 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!
**MATTE FINISHES**

- Rustic Canyon (formerly Brick Red 2036)
- Burnt Sienna (formerly Brick Red 2066)
- Toscana
- Beige
- Pearl Gray
- Flint Gray

**SATIN FINISHES**

- Burnt Red (formerly Brick Red Satin)
- Dark Red
- Copper Red
- Bright Red
- Light Gray
- Bright Gray

- Middle Gray
- Dark Gray
- Cream
- Sand
- Eggshell
- Anthracite
### Stone Finishes

<table>
<thead>
<tr>
<th>Color</th>
<th>Example Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthracite</td>
<td><img src="image1" alt="Anthracite" /></td>
</tr>
<tr>
<td>White</td>
<td><img src="image2" alt="White" /></td>
</tr>
<tr>
<td>Beige</td>
<td><img src="image3" alt="Beige" /></td>
</tr>
<tr>
<td>Red</td>
<td><img src="image4" alt="Red" /></td>
</tr>
</tbody>
</table>

### Gloss Finishes

- Black: ![Black](image5)
- White: ![White](image6)
- Brick Red Natural: ![Brick Red Natural](image7)

*Graffiti protection not included.*

### Glazed Finishes

- Various shades of colors available.  

*Custom and Corporate Colors Available.*

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**Lifetime Graffiti Protection**

Through body color is coordinated to best match the desired NeaCera® terra-cotta panel finish. Red hues are based on a red clay matrix, light hues on white, and gray hues on gray. Please call for custom through body details at 888-388-8633.

*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.*

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Avenere Cladding LLC  
2801 Sisson Street • Baltimore, Maryland 21211  
410-338-1122 • AvenereCladding.com
“The only way to predict the future is to have power to shape the future.”
- Eric Hoffler - Author/Philosopher

Interested in Learning More?
Contact Us Today 410.338.1122
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.

- Multiple System Depths (1-1/4”, 1-3/8”, 2”)
- Different Joint Inserts (Closed, Open & Fine Line)
- 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™
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

**SUB-CONSTRUCTION**

**I-FRAME**

**ADS BRACKET**

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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.

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

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.
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.

- Outside Corners / Inside Corners
- Doors / Windows
- Soffits
- Light Fixtures
- Door Overhangs
- 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**

| 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"), 29mm (1.14" – Ripple Shape Only), 31mm (1.22” – Ripple Shape Only), 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 Base (BAS) Adaptive (ADS) OVERALL SYSTEM DEPTH Min. 27mm (1.06") Max. 264.5mm (10.4") |
| VERTICAL PANEL SUPPORTS LENGTH: | 2743.2mm (9’) Typical |
| JOINT WIDTH: | 9mm (0.35") Typical |
| WARRANTY: | up to a 30-year limited warranty |
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.