Cembrit Cembonit

A strong weather-proof cladding board characterized by its muted, matte finish. During manufacturing, the through-colored board receives a unique surface treatment that makes it powerfully resistant to water staining and dirt, ensuring a long-lasting and durable façade.

The natural authenticity of the Cembrit Cembonit board is expressed through the slight color variations in the surface, imbuing your façade with the play of light and nuances you associate with any natural building material. Over time, these natural variations may develop further as the surface acquires a patina.

Cembrit Zenit

Cembrit Zenit comes in 16 natural yet intense UrbanNature colors inspired by the universe and named after the colorful planets in the skies above.

Add an even more unique expression to your façade; Zenit allows you order custom colors for a very nominal upcharge.

Cembrit Zenit

Cembrit Zenit comes in 16 natural yet intense UrbanNature colors inspired by the universe and named after the colorful planets in the skies above.

Cembrit Cembonit

Cembrit Cembonit comes in 11 subtle colors.

Standard colors:

Accent colors:
Cembrit Metro

Classic gray fiber cement board fully covered with opaque, water-based acrylic paint in a range of contemporary colors. The full-covering paint makes the board powerfully resistant to mold and algae, water stains and dirt.

The board has an intense sheen and is highly wind and weather resistant. If you wish to add an even more unique expression to your façade, Cembrit Metro is available in custom colors at a nominal upcharge. Set your creativity free with the bright and clear UrbanNature colors.

Cembrit True

A through-colored fiber-cement board with a semi-transparent surface treatment. The board has the classic fiber-cement expression and therefore appears with a genuine depth in the structure, which has been in high demand.

The combination of the genuine fiber cement and the homogeneous surface gives the board a character and an interesting expression.

Cembrit True is available in 7 selected colors.
Minerit HD is an uncoated fiber cement board that allows the authentic appearance of the fiber cement to stand out. In application, Minerit HD is a building board that can be installed for cladding purposes when a natural expression is desired. Minerit HD is an unpigmented material, and variations may occur in the individual boards and from board to board, adding a lively expression to your façade.

Minerit HD combines value with the unique properties of fiber cement that make the board resistant to extreme weather conditions as well as mold and algae. The uncoated board is virtually maintenance-free — no surface treatment required. However, if you wish to add a colorful expression to your façade, it can be painted on-site with acrylic paint systems or transparent stains suitable for cement-based materials (specific instructions for painting/staining are available).

### Technical Properties & Dimensions

<table>
<thead>
<tr>
<th>Metro, True &amp; Zenit</th>
<th>Untrimmed sizes</th>
<th>U.S. Trimmed sizes</th>
<th>Weight (lbs/ft²)</th>
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</thead>
<tbody>
<tr>
<td>Thickness in. (mm)</td>
<td>8 mm</td>
<td>8 mm</td>
<td>8 mm</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>49.2 (1,250)</td>
<td>48 (1,220)</td>
<td>3.2</td>
</tr>
<tr>
<td>Length (in.)</td>
<td>99.6 (2,530)</td>
<td>120.8 (3,070)</td>
<td>98.4 (2,500)</td>
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</table>

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<tr>
<th>Cembonit</th>
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</tr>
<tr>
<td>Length (in.)</td>
<td>98.4 (2,500)</td>
<td>120 (3,050)</td>
<td>96 (2,440)</td>
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</table>

<table>
<thead>
<tr>
<th>Minerit HD</th>
<th>Trimmed sizes</th>
<th>Weight (lbs/ft²)</th>
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</thead>
<tbody>
<tr>
<td>Thickness in. (mm)</td>
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<td>3.2 mm, 4mm, 6mm, 8mm, 10mm</td>
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<tr>
<td>Width (mm)</td>
<td>48 (1,220)</td>
<td>1.2</td>
</tr>
<tr>
<td>Length (in.)</td>
<td>96 (2,440)</td>
<td>3.7</td>
</tr>
</tbody>
</table>

Color Charts: The color charts give an impression of the available colors. Reproduction of the exact color is restricted by the printing process. For an exact color match, samples are available upon request.
Panels

Fiber Cement — Distinct Properties

Sound and Weather Resistant
Cembrit fiber cement boards deliver optimal sound and weather insulation. Noise as well as changing weather conditions such as freeze/thaw, heat and water pose no threat to fiber cement façades. The boards retain their shape at all times.

Low Maintenance
The ability of the boards to resist mold and algae attacks is equally impressive. The result is a long-lived façade that saves you time and effort on inconvenient and costly repairs and repaints.

Non-combustible
The boards are non-combustible, which is your guarantee for a safe building.

Easy Handling
Cembrit fiber cement boards are flexible and easy to handle. They can be delivered cut to size, ready for installation. All this makes for lower construction costs, shorter construction times, and lower installed costs.

Fiber Cement — A Unique Composition

Natural Ingredients
With the strong composition of cement, mineral fillers, cellulose and non-toxic, organic fibers — and not to forget a dash of water — Cembrit fiber cement boards are made up of purely natural and environmentally friendly raw materials. This makes for sustainable and fully reusable boards.

Strong Recipe
The secret behind the impressive strength and durability of Cembrit fiber cement boards resides in the manufacturing technology. Thin layers of fiber cement are added on top of each other, pressed firmly together under tremendous pressure before completing a slow air curing process. Reinforced by carefully selected fibers, the many thin layers give the fiber cement cladding a strength with few peers in the world of building materials.

Green Footprints
The Cembrit boards carry the IBU seal — a sign of green footprints from cradle to site. The seal is a result of an Environmental Product Declaration (EPD) conducted by the Institute Construction and Environment.

The EPD is a green report that describes the environmental impact of the building product. The report is intended to foster sustainable development of environmental and health friendly compatible construction.

The full EPD is available online.

Warranty information available upon request.

Product Sustainability

AFC Cladding is committed to providing the highest quality high density compressed fiber cement panels to the U.S. building markets. In order to do this, we feel it necessary to provide not only high quality products, but sustainable products that can contribute to green (LEED) building projects, which in turn benefit the environment we all live in.

AFC Cladding products currently have a potential contribution in seven (7) areas of LEED credits across multiple LEED rating systems, and have several sustainability attributes in addition to those recognized by LEED rating systems. One of the most important sustainable attributes is the durability of AFC Cladding panels. With their long lifespan, virtually requiring no refurbishment, AFC Cladding panels can contribute to less replacement of materials and to drastically lower maintenance costs over the useful life of the building.

The recommended Ventilated and Insulated Rain Screen Cladding (VIRSC) system, which is used to affix AFC Cladding panels to the exterior of a structure, offers many benefits and green attributes to the performance of the building envelope. Durability and resistance to moisture and mold build-up are noteworthy benefits.

Equally important is its ability to accommodate external insulation, which addresses the issues of thermal bridging. These attributes are just a few of the many that have a potential contribution to LEED credits.

In addition, AFC Cladding is dedicated to further research and analysis of our products to achieve additional LEED credits, and help further the cause of building sustainable and efficient buildings.

1 YRG Sustainability — Green Product Assessment for American Fiber Cement Corporation

2 Additional credit available for post consumer recycled content in certain markets.
Rain screen cladding

Preventing thermal bridges
As the insulating material is on the outside of the structural wall, it can easily be mounted without interruptions caused by floor slabs. In this way, any thermal bridges that occur at each floor slab can be prevented. These thermal bridges are also the cause of surface condensation that may result in fungus growth.

Dissipating heat from the sun
The ventilated rainscreen cladding system has a cooling effect when temperatures outside are high. Most of the sun’s rays are reflected away from the building. Heat passing through the exterior wall panel is partially dissipated by the ventilating effect of the space between the exterior cladding panel and the structural wall. Any residual heat managing to penetrate buildings is very minor.

Rainscreen
Architectural wall-cladding panels act as a rain-screen on the outside of the building and keep the structural wall absolutely dry. The air space connected to the outside air evacuates water and humidity that might have penetrated behind the wall-cladding panels through its horizontal or vertical joints. This water will never reach the load bearing wall and/or the thermal insulation.

Protecting the basic structure and load-bearing wall against temperature variations
In view of the fact that the insulation material is applied to the outside of the building, changes in temperature are very minor compared with those found in conventional constructions where insulation is applied on the interior. This principle works in summer and winter in both hot and cold climates.

Prevention of internal condensation
Insulation material can be applied to the outside of the structural wall because it is protected effectively by the architectural exterior wall panel. Because of differences in vapor pressure and temperature passing through the wall, condensation has been shown to occur close to the ventilated area and not in the structural wall itself. As a result, the ventilating effect is easily sufficient to dry out the thermal insulating material.

Distributed exclusively by:

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