extremegreen sheathing

extremegreen sheathing represents a quantum shift in exterior sheathing technology and has been designed to replace complicated multi-layer plywood, OSB, fiber cement and exterior gypsum sheathing assemblies. Manufactured in a strict quality controlled environment, extremegreen is made from 100% inorganic inputs. This means no rot, mold or mildew, termites, warping, swelling or delamination.

Mid-rise or high-rise, commercial or residential, extremegreen allows you to build more for less in any season. extremegreen is impervious to water, dimensionally stable, and provides a superior exterior sheathing solution that is unaffected by environmental exposure during construction and protects your investment from fire, water, mold and wood boring insects.

Fire-Resistance

extremegreen panels are non-combustible and Class A1 Fire Rated, scoring a zero flame spread and zero smoke developed rating when tested to ASTM E84 / UL 723.

No plywood or OSB panel can claim this.

Weather Resistance

extremegreen sheathing panels meet and exceed Exposure 1 requirements, allowing you to build all year round.

Installation

extremegreen sheathing can be installed vertically or horizontally directly to wood or steel studs. Install over wood using nail or screw fasteners. Screws are required for metal. Fasteners should be compliant with applicable local code and should penetrate wood members by at least 1” (25.4mm). Install fasteners between 3/8” (9.5mm) to 1/2” (12.7mm) from panel edges. Fasteners should be spaced a maximum of 6” (152mm) o.c. on the perimeter and 8” (203mm) in the field. Always follow local code in relation to the use of water resistive barriers.

Due to extremegreen’s unparalleled fastener holding power, cladding and siding can be nailed or screwed directly to it without the need to find a stud.

Available Sizes + Ratings

Due to an innovative proprietary formula and structural design, extremegreen sheathing panels deliver unparalleled structural and fire performance in one single panel.

extremegreen sheathing panels are available in 4’ x 8’, 4’ x 9’ and 4’ x 10’ dimensions and are available with a precision milled recessed edge or square edge in the following performance categories.

- 1/2” Sheathing - Regular Applications
- 5/8” Sheathing - Performance Applications
- 3/4” Sheathing - Impact Panel (HVHZ)

Fire Resistant  Water Resistant  Mold Resistant  Termite Resistant  People Friendly  Contractor Friendly  100% Recyclable
# Product Comparison

<table>
<thead>
<tr>
<th>Nominal 1/2&quot;</th>
<th>extreme.png™</th>
<th>Dragonboard®</th>
<th>LP FlameBlock®</th>
<th>GP Densglass®</th>
<th>HardieBoard®</th>
<th>APA OSB††</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fastener Spacing</td>
<td>6&quot;  4&quot;  3&quot;  6&quot;  4&quot;  3&quot;  6&quot;  4&quot;  3&quot;</td>
<td>6&quot;  4&quot;  3&quot;  6&quot;  4&quot;  3&quot;</td>
<td>6&quot;  4&quot;  3&quot;  6&quot;  4&quot;  3&quot;</td>
<td>6&quot;  4&quot;  3&quot;  6&quot;  4&quot;  3&quot;</td>
<td>6&quot;  4&quot;  3&quot;</td>
<td>6&quot;  4&quot;  3&quot;</td>
</tr>
<tr>
<td>Allowable Shear (psf)</td>
<td>287  451  656</td>
<td>Not Indicated</td>
<td>280  430  550</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>280  430  550</td>
</tr>
<tr>
<td>Flexural Strength (psi)</td>
<td>1,850</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>356</td>
<td>1,700†</td>
<td>Not Indicated</td>
</tr>
<tr>
<td>Tensile Strength (psi)</td>
<td>505</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>&gt;540 †</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
</tr>
<tr>
<td>Compressive Strength (psi)</td>
<td>1,440</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>500</td>
<td>6,500</td>
<td>Not Indicated</td>
</tr>
<tr>
<td>Fastener Pull Through (psi)</td>
<td>300</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
</tr>
<tr>
<td>Fastener Lateral Capacity (psi)</td>
<td>245</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
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<tr>
<td>Withdrawal Capacity (psi)</td>
<td>155</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
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<tr>
<td>Flame Spread Index</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Smoke Developed Index</td>
<td>0</td>
<td>0</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Fire Suppression</td>
<td>Non-Combustible</td>
<td>Non-Combustible</td>
<td>Combustible</td>
<td>Non-Combustible</td>
<td>Non-Combustible</td>
<td>Highly-Flammable</td>
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<tr>
<td>Contains Formaldehyde</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Contains Crystalline Silica</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Toxin-Free</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Water Resistant</td>
<td>Yes</td>
<td>Yes</td>
<td>Limited Exposure</td>
<td>Limited Exposure</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Mold Resistant</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Limited</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Vapor Permeable</td>
<td>Yes</td>
<td>Yes</td>
<td>Limited</td>
<td>Limited</td>
<td>Limited</td>
<td>Limited</td>
</tr>
<tr>
<td>Board Weight (lbs./ft.²)</td>
<td>2.47</td>
<td>Not Indicated</td>
<td>Not Indicated</td>
<td>1.90</td>
<td>2.60</td>
<td>2.50†</td>
</tr>
</tbody>
</table>

**Notes:**
- All data collated from respective manufacturers’ published technical data sheets.
- †† Source American Wood Council, APA, DOC, HPVA, HUD, + UL.
- † Ultimate - not design value.

## Testing + Code Compliance

extreme.png™ is fully tested and certified to ASTM test standards in accordance with the International Building Code and International Residential Code 2009, 2012 and 2015.

Third party independent code compliance testing performed by NTA and Intertek. UL assemblies pending.

## Warranty

extreme.png™ is backed by a limited lifetime warranty, see website for full details.

## Technical Support

Further information including specifications, product literature, test reports, assemblies, installation instructions, and special applications is available through Extreme.png Building Products.

Call 251.405.4717 or visit extreme.pngbp.com

### Benefits

- **Superior Design Strength**
  - Structural + fire-resistant
  - High impact resistance

- **Impervious to Water**
  - Dimensionally stable when wet
  - No swelling, warping, cupping or delamination

- **Faster Installs**
  - Single layer sheathing solution
  - Up to 50% material + labor savings

- **Higher Density**
  - Denser than plywood + OSB.
  - Superior nail + screw holding power than fiber cement + exterior gypsum

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