Product Description

- **extremegreen®** is a high density structurally rated magnesium cement panel.
- **extremegreen®** is a cementitious building panel that can be used as a direct replacement for plywood and OSB exterior sheathing and subflooring panels, interior and exterior gypsum panels and fiber cement subfloor and tile backer panels. Rack + shear values meet and exceed most of the aforementioned structurally rated products.
- **extremegreen®** outperforms most other sheet building panels from an impact, fire, water, mold, mildew + termite resistance standpoint. It is non-combustible (ASTM E136)+ carries a zero flame spread + zero smoke developed rating (ASTM E 84).
- **extremegreen®** contains no toxic inputs + is rated as zero off-gassing.
- **extremegreen®** contains no fly ash, formaldehyde or crystalline silica + is completely people safe + contractor friendly.
- **extremegreen®** is a versatile building material + can be used in many varied applications, such as exterior sheathing, interior wallboard, ceilings, subfloors, roof decking, tile backer, soffits, fire-resistant exterior sheathing, fire-resistant wall assemblies, fire-resistant floor/ceiling assemblies + fire-resistant soffits.
- **extremegreen®** is manufactured in a strictly controlled, low energy, factory environment. It is a homogenous, toxin-free, inorganic mineral based product + is available in varying thicknesses and sizes, with tapered/recessed edges (wallboard), shiplap (subflooring), or traditional square edges (exterior sheathing).
- **extremegreen®** is quick + easy to install when used as an interior wallboard. It is taped + plastered in a similar fashion to drywall, but uses 50% less plaster + a Level 5 finish is achievable with as little as one coat of primer + one finish top coat, a 50% saving.
- **extremegreen®** 1/2” (12mm) and 5/8” (16mm) single layer fire-resistant assemblies outperform gypsum based products in 1-hour and 2-hour fire rated wall assemblies.

Products

- **extremegreen®** Wallboard Panels
- **extremegreen®** Exterior Sheathing Panels
- **extremegreen®** Subfloor Panels
- **extremegreen®** Tile Backer Panels

Product Sizes + Dimensions

**Thicknesses**
- Imperial: 1/8" I 1/4" I 3/8" I 1/2" I 5/8" I 3/4"
- Metric: 3mm I 6.5mm I 10mm I 12mm I 16mm I 20mm

**Dimensions**
- Imperial: 3’ x 5’ I 4’ x 8’ I 4’ x 9’ I 4’ x 10’
- Metric: (mm) 915 x 1525 I 1220 x 2440 I 1220 x 2750 I 1220 x 3050

**Soffits**
- Available in smooth and wood grain; ventilated and non-ventilated in most thicknesses.
- Imperial: 12”, 18” + 24” x 8”, 9” + 10’
- Metric: 305mm, 455mm + 610mm x 2440mm, 2750mm + 3050mm.

**Custom**
- Custom thicknesses and dimensions available by request. Subject to minimum order.

**Note**
- All boards and soffits are fire rated over 1/2” or 12mm. Contact Extremegreen Building Products for further details and assemblies.
### Product Benefits

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<th>Benefit</th>
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<tr>
<td>1.0 Fire Resistant</td>
<td>extremegreen® has unsurpassed fire resistance. Non-combustible (ASTM E136) 0 / 0 rating for flame spread + smoke developed (ASTM E84). Multiple cost effective fire-resistant wall and floor/ceiling assemblies.</td>
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<tr>
<td>2.0 Water Resistant</td>
<td>Impervious to water. extremegreen® can be exposed to prolonged construction site exposure, adverse weather conditions and be submerged in water for extended periods of times with no major loss of structural integrity. Dimensionally stable when saturated.</td>
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<td>3.0 Mold Resistant</td>
<td>Does not feed mold or mildew. Zero organic matter. 0/0/0 rating for mold propagation.</td>
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<tr>
<td>4.0 Impact Resistant</td>
<td>High impact resistance. extremegreen® can withstand high traffic, high impact areas such as hospital corridors, schools, hotels, prisons + heavy traffic areas, even blows with a hammer.</td>
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<tr>
<td>5.0 No Blocking</td>
<td>Excellent fastener holding capacity. Eliminates the need for blocking entirely. Fasten ADA grab bars, big screen TV’s, and kitchen cabinets directly into extremegreen®.</td>
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<tr>
<td>7.0 Termite Resistant</td>
<td>No organic matter. Zero foodstuff food stuff for wood boring insects including termites + carpenter ants.</td>
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<tr>
<td>8.0 Low Water Content</td>
<td>Cured in a computer controlled temperature and relative humidity controlled curing chamber, extremegreen® contains 5% water content. Less than gypsum.</td>
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<td>9.0 Life Expectancy</td>
<td>Install cost + life cycle cost of extremegreen® is far lower than competing fiber-cement board + gypsum based products.</td>
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<tr>
<td>10.0 Finishing</td>
<td>Finishing costs as much as 50% lower than competing fiber-cement + gypsum based products. Quality of finish also far superior. Level 5 pant finish achievable with only one coat of primer + one finish top coat.</td>
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### Product Applications

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<tr>
<td>extremegreen® Fire-Resistant Wallboard</td>
<td>is designed to be used internally or externally as a gypsum replacement. It is taped and plastered in a similar fashion to traditional gypsum based products. A level 5 finish is achievable with one coat of primer and one finish top coat. It can be nailed or screwed. It performs particularly well in fire-resistant wall, floor and ceiling assemblies.</td>
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<tr>
<td>extremegreen® Fire-Resistant Exterior Sheathing</td>
<td>is designed for use as a fire-resistant external structural sheathing. It can be nailed or screwed to studs and provides a smooth finish surface that be be painted, stuccoed, sealed or house wrapped.</td>
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<tr>
<td>extremegreen® Fire-Resistant Subflooring</td>
<td>is designed as a single layer subfloor product, to which tiles, hardwood flooring and laminate flooring can be applied directly. It can span 24” o.c. and can be nailed or screwed. For best results it is recommended that all subfloors are glued and screwed.</td>
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<tr>
<td>extremegreen® Soffits</td>
<td>are designed to provide fire rated ventilated or non-ventilated soffits.</td>
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<tr>
<td>extremegreen® Tile Backer</td>
<td>is designed as a water resistant non-combustible tile backer.</td>
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### Product Packaging
- **extremegreen®** is shipped on pallets with protective cover sheets, corner protection, banded + wrapped in plastic.
- Each board is labeled with an individual serial number + QR code for traceability.
- Each pallet is labeled with an individual pallet sticker on each of the four vertical faces. The pallet sticker contains an individual QR code specific to the boards on the subject pallet.
- Warranty is activated by scanning the QR code using the **extremegreen®** Ap, which can be downloaded from the iTunes Ap Store.
- Pallet sizes are 3’ x 5’, 4’ x 8’, 4’ x 9’ + 4’ x 10’.
- All pallets loaded to a maximum of 3,800 lbs (1,727 Kg).

### Product Storage
- **extremegreen®** panels should be stored in a cool, dry environment and should remain in the manufacturer’s packaging bearing the brand name and manufacturer’s logo and Listing Numbers until ready for use.
- **extremegreen®** panels should be stored on the manufacturer’s pallets off the ground and away from standing water. To protect edges from damage, do not store **extremegreen®** panels vertically.
- To prevent the risk of injury, do not stack **extremegreen®** panels higher than 10 feet high.
- Loose storage of **extremegreen®** panels is not recommended.
- Cover **extremegreen®** panels with a waterproof material when stored outdoors or on site to protect against weather, direct sunlight, surface contamination, and construction traffic. This will make finishing preparation easier.

### Warranty
- All **extremegreen®** products come with a Limited Lifetime Warranty.
- Contact Extremegreen Building Products, LLC., or retailer for further information.

### Limitations
- **extremegreen®** shall not be placed within 8 inches of exposed earth unless a suitable method of protection against termites and decay is approved by the local building official.
- **extremegreen®** shall not be exposed to sustained temperatures exceeding 125 ºF.
- **extremegreen®** shall be protected by an approved water resistive barrier.

### Code Compliance
- **extremegreen®** is tested + certified by UL, NTA, Inc., and Intertek, all ISO accredited independent testing agencies, to UL, ASTM and NFPA standards + is fully compliant with the 2009, 2012 + 2015 International Building Code + International Residential Code.
- UL, NTA Inc. and Intertek conduct the **extremegreen®** Third Party Quality Assurance Program + publishes its Listing Report. **extremegreen®** Listing Reports + **extremegreen®** fire-resistant wall, floor + ceiling assembly reports can be found at [www.ntainc.org](http://www.ntainc.org) + [ul.com](http://ul.com).
- Extremegreen’s NFPA 285 report can be found at [www.intertek.com](http://www.intertek.com).

### Installation Guidelines
- See **extremegreen®** Installation Guide(s) for installation instructions and assembly details.
- **extremegreen®** Installation Manual can be downloaded from the Extremegreen Building Products website at: [www.extremegreenbp.com](http://www.extremegreenbp.com).

### Finishing + Decorating
- For high quality finishing results, Extremegreen Building Products recommends the following products:
  - **extremegreen®** Water Resistant Mud (Elastomeric Setting Compound)
  - **extremegreen®** Fire Set™ 60 (Fire-Resistant Setting Compound)
  - **extremegreen®** Quick Drying Primer (Quick Drying Stain Blocking Primer)
  - **extremegreen®** Vella Fino Stucco (Internal / External Elastomeric Synthetic Stucco)
  - **extremegreen®** Vella Fino Primer
  - **extremegreen®** Vella Fino Sealer
  - FibaFuse™ Paperless Drywall Tape, by St. Gobain
Testing + Certification

- ASTM E84-15a (UL 723; UBC 8-1; NFPA 255)
  Flame Spread Index = 0; Smoke Developed Index = 0
- ASTM E119-14 (ANSI/UL 263)
  1-Hour + 2-Hour Non-Load-Bearing Fire Rated Wall Assemblies
  UL 263 Design No. U069
  2 Hour Load-Bearing Wood Wall Assembly
  UL 263 Design No. L601
  1-Hour Unrestrained Floor/Ceiling Assembly (Open Web Wood Trusses)
- ASTM E119-14 (ANSI/UL 263)
  1-Hour Unrestrained Floor/Ceiling Assembly (Steel C-Channel Joists)
- NFPA 285 2012 Edition
  Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components
- ASTM C1185-08 Flexural Strength
- ASTM C1185-08 Flexural Strength After Construction Durability Exposure
- ASTM C1185-08 Flexural Strength Degradation due to Thermal Aging
- ASTM C1185-08 Flexural Strength Degradation due to UV Exposure
- ASTM C1185-08 Flexural Strength Degradation at Extreme Temperatures
- ASTM C1185-08 Flexural Strength Degradation due to Freeze / Thaw
- ASTM C1185-08 Flexural Strength Loss due to Water Exposure
- ASTM D7032-24 Temperature Effects (-20 ºF and +125 ºF)
- ASTM D7032-24 Accelerated Thermal Aging (90 Days at 125 ºF and 185 ºF)
- ASTM D2559-10a Water Soak Cycles
- DOC PS 2-10 Six Cycle Test
- ASTM C666-03 Freeze Thaw 300 Cycles
- ASTM D7032-14 Ultraviolet (UV) Resistance Test
- ASTM C1185-08 Density / Specific Gravity (68% ºF / 65% RH)
- ASTM C1185-08 Moisture Content
- ASTM D2718-00 Shear Strength
- DOC PS 2-10 Linear + Thickness Expansion due to Relative Humidity
- ASTM D3500-90 Axial Tension
- ASTM D3500-90 Tensile Strength
- ASTM D3501-05a Compressive Strength
- ASTM D1037-12 Fastener Lateral Capacity (Conditioned + Soaked)
- ASTM D1037-12 Fastener Withdrawal (Conditioned + Soaked)
- ASTM D1037-12 Fastener Head Pull-Through (Conditioned + Soaked)
- AWPA D6815-09 Duration of Load + Creep Effects Modified by ASTM C1185-08 + ASTM D2990-09
- ASTM E228-11 Linear Thermal Expansion (-40 ºC to +60 ºC)
- ASTM G21-15 Resistance to Funghi
- AWPA E12 Fastener Corrosivity
- ASTM E72 Racking
- ASTM E455 Static Load Testing of a Floor or Roof Diaphragm
- DOC PS2 10 Uniform Load Test
- ASTM E90 Acoustical Performance
- ASTM E492 Acoustical Performance
- Florida Code Approval
### Compliance


### Submittal Approvals

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