



# EXTIRA<sup>®</sup>

TREATED EXTERIOR PANEL

## Use Extira Panels for a Variety of Exterior Applications

Manufacturing process binds natural wood fibers with phenolic resins and zinc borate.

- Sanded two sides (S2S) for a smooth, unprimed surface.
- Moisture, rot, and termite resistant.
- No added urea formaldehyde; made from sustainable materials.
- One piece solid substrate — not laminated.
- Can be used for virtually any non-structural paint-grade application, including exterior millwork, door and window parts, signage, garage doors and other architectural components.
- Class C fire rating; Flame spread 120; Smoke developed 95.
- 5-year limited warranty.



SCIENTIFIC CERTIFICATION SYSTEMS  
SCS-MC-01802



From the makers of:



# Extira is a Revolutionary Product for Exterior Applications that Performs Better than Wood or MDF

	Extira	Typical MDF
<b>Application</b>	Exterior	Interior
<b>Composition</b>	Wood, phenolic resins, zinc borate, water repellent and other ingredients. No added urea formaldehyde	Wood, urea formaldehyde resin that may emit formaldehyde
<b>Manufacturing Process</b>	Proprietary, patented steam injection technology using TEC™ manufacturing process	Pressed between hot platens. Open process, no steam injection
<b>Benefits</b>	Consistent density Moisture, rot and termite resistant Exterior performance	Not uniformly dense throughout No termite or rot protection MR MDF offers moisture resistance for interior use only
<b>Warranty</b>	5 years	30 days

## Extira is Stronger and Performs Longer

	Extira 3/4"	Medex 3/4"	MR 50 Grade 110 per ANSI 208.2-2002	Wood
Thickness Swell (TS)	2.3%	3% <sup>2</sup>	5% max	NA
Advanced Bond Integrity (% strength retention)	90%	Passes <sup>2</sup> ASTM D1037-96	50% min	NA
Termite Resistance (10 is the highest score)	7.9 out of 10 (3 year exposure) <sup>1</sup>	None	None	None, 0.0 <sup>1</sup>
Rot Resistance (0 is the highest score)	1.0 out of 5 (3 year exposure) <sup>1</sup>	None	None	None, 5.0 <sup>1</sup>

<sup>1</sup> Independent testing per AWPA E-7 and AWPA E-16

<sup>2</sup> Published material by Medex

**Moisture resistant:** As measured by ASTM D1037 for Water Absorption and Thickness Swelling.

**Rot resistant:** As measured by AWPA E-16 Field Test for Evaluation of Wood Preservatives to be Used Out of Ground Contact: Horizontal Lap-Joint Method.

**Termite resistant:** As measured by AWPA E-7 Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.

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TREATED EXTERIOR PANEL



## Extira Panels are a Green Product

### ✓ Sustainable Materials

- No old growth wood is used in the manufacture of Extira panels. They are made from wood that is of no commercial timber value and is the byproduct of other operations. This leftover wood is also detrimental to the overall vitality of the forest.
  - All wood comes from an area within a 200 mile radius of the Towanda, PA production facility.
  - CMI uses 100% northern hardwoods which includes maple, beech, oak and other species.
- Extira panels are treated with zinc borate, an EPA-registered biocide and a naturally occurring earth chemical that is environmentally safe and ensures protection against termites.

### ✓ No Added Urea Formaldehyde

- Extira panels have no added urea formaldehyde. This is certified by Scientific Certification Systems under certificate number SCS-MC-01802. They are manufactured with environmentally preferable phenolic resins.
- Through repeated testing by the Composite Panel Association (CPA), Extira panels have demonstrated formaldehyde emissions equivalent to background levels found in the environment.

### ✓ CARB Compliant

- Extira panels are acknowledged by the California Air Resources Board's (CARB) Airborne Toxic Control Measure (ATCM) 93120 to utilize exempt status ultra-low emitting formaldehyde (ULEF) resins.

### ✓ Contributes to Green Building Programs

- Extira panels contribute to industry green building programs such as LEED® and the National Green Building Standard.™



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SCS-MC-01802



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TREATED EXTERIOR PANEL

# Extira is the Best Alternative

		Extira	MDF	Plywood	MDO	PVC
Price	\$	\$\$	\$	\$	\$\$	\$\$\$\$
Moisture Resistance		Good	Poor	Poor	Good	Best
Rot Resistance		Best	None	None	None	Best
Weathering <sup>3</sup>		Good	Poor	Poor	Good	Good
UV Resistance <sup>3</sup>		Good	Good	Best	Good	Poor <sup>2</sup>
Warranty		5-year	30 Days	None	Varies	5-year to Lifetime <sup>1</sup>
Machineability		Good	Varies	Poor	Poor	Varies
Paintability <sup>3</sup>		Best	Best	Good	Best	Poor

<sup>1</sup> Non-transferrable

<sup>2</sup> PVC generally has trouble accepting darker shades of paint

<sup>3</sup> Ratings reflect uncoated material ranking. Extira must be field finished before use

## With Five Thicknesses and Three Panel Sizes, Extira Measures Up to Any Project



### Choose from a variety of sizes and thicknesses

Size (nominal)	Thickness (+/-0.005")				
	1/2"	5/8"	3/4"	1"	1-1/4"
4' x 8' (49" x 97")	●	●	●	●	●
4' x 16' (49" x 194")	●	●	●	●	●
2' x 16' (25" x 194")	●	●	●	●	●

### Typical Properties of 3/4" Extira

<b>Termite Resistance</b> (10 is the highest score)	7.9 out of 10 (3 year exposure)	
<b>Rot Resistance</b> (0 is the highest score)	1.0 (3 year exposure)	
<b>Advanced Bond Integrity</b> (% strength retention)	90%	
<b>Density</b>	47 lb/ft <sup>3</sup>	0.753 g/cm <sup>3</sup>
<b>MOR</b>	3496 psi	24.1 MPa
<b>MOE</b>	288 kpsi	1986 MPa
<b>Internal Bond</b>	138 psi	951 kPa
<b>Direct Screw Withdrawal</b>		
<b>Face</b>	379 lbf	172 kgf
<b>Edge</b>	379 lbf	172 kgf
<b>24-Hour Soak</b>		
<b>% Thickness Swell</b>	2.2%	2.2%

## Finishing Recommendations

Extira is a wood based composite panel that must be primed and painted before being exposed to the outdoors. Adhesives or laminates may be used to affix other materials to Extira. Because CMI makes wood composite panels and not adhesives, primers or other materials, CMI cannot guarantee the performance or compatibility of any material to Extira. CMI regularly tests materials at the CMI research and development testing laboratory and performs testing with the manufacturers of popular primers and adhesives. Visit [www.extira.com](http://www.extira.com) for updates on compatible materials and techniques. Qualification of all materials and their end use are the responsibility of the end user. CMI has no liability for primers, paints, adhesives or any other treatment of Extira.



## FEATURES

Green Benefits



SCIENTIFIC CERTIFICATION SYSTEMS  
SCS-MC-01802

## BENEFITS

At the heart of all CMI products is a commitment to an environmentally responsible manufacturing process.

- No old growth wood is used in the manufacture of Extira panels. They are made from leftover wood that is of no commercial timber value and is the byproduct of other operations. This wood is also detrimental to the overall vitality of the forest. CMI uses 100% northern hardwoods. All wood comes from an area within a 200 mile radius of the Towanda, Pennsylvania production facility.
- Extira panels have no added urea formaldehyde. This is certified by Scientific Certification Systems, certificate number SCS-MC-01802.
- Emission levels of formaldehyde from Extira panels are equivalent to trace levels found in the environment. Due to their physical composition, Extira panels are not subject to the California Air Resources Board's (CARB) Airborne Toxic Control Measure 93120 (ATCM).

**Extira panels contribute credits to industry programs such as LEED® and NAHB – National Green Building Standard™**

LEED for Commercial Interiors	Credits	Description
<b>20% Regional Materials<sup>1</sup></b>	MR 5.1	Use a minimum of 20% of the combined value of construction and Division 12 (Furniture) materials and products that are manufactured regionally within a radius of 500 miles.
<b>10% Regional Materials<sup>1</sup></b>	MR 5.2	In addition to the requirements of MR 5.1, use a minimum of 10% of the combined value of construction and Division 12 (Furniture) materials and products extracted, harvested or recovered, as well as manufactured, within 500 miles of the project.
LEED for New Construction and Major Renovations	Credits	Description
<b>10% Regional Materials<sup>1</sup></b>	MR 5.1	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value.
<b>20% Regional Materials<sup>1</sup></b>	MR 5.2	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for an additional 10% beyond MR Credit 5.1 (total of 20%, based on cost) of the total materials value.
<b>No Added Urea Formaldehyde</b>	EQ 4.4	Composite wood and agrifiber products used on the interior of the building (defined as inside of the weatherproofing system) shall contain no added urea formaldehyde resins.
LEED for Homes	Credits	Description
<b>Nontoxic Pest Control</b>	SS 5	In areas marked "moderate to heavy" on the termite infestation probability map, treat all cellulosic material with a borate product to a minimum of 3 feet above the foundation. MiraTEC trim contains zinc borate.
NAHB – National Green Building Standard	Credits	Description
<b>Termite-resistant materials</b>	602.8	Termite-resistant materials are used for the structural components and exterior claddings of walls, floors, roofs and exterior decks in geographical areas that have slight to moderate or greater subterranean termite infestation potential.
<b>Resource-Efficient Materials</b>	607.1 (2)	Products used contain fewer materials to meet the same end-use requirements as conventional production, including but not limited to engineered wood or engineered steel products.
<b>No Added Urea Formaldehyde</b>	901.4 (d)	85% of countertops, permanent shelving, and other nonstructural products manufactured in accordance with the following: composite wood or agrifiber panel products contain no added urea formaldehyde.

<sup>1</sup> dependent on project site location



**What are Extira panels?**

- A treated wood composite panel product for non-structural applications for exterior and high moisture interior environments.
- Available in square cut panel dimensions of 49" x 97", 49" x 194" and 25" x 194".
- Available in thicknesses of 1/2", 3/4", 5/8", 1" and 1 1/4" (+/- 0.005").
- Sanded two sides (S2S) for a smooth, unprimed surface.

**What are the key benefits of Extira panels?**

- Moisture, rot and termite resistant. Treated with zinc borate and manufactured with phenolic resins.
- One piece solid substrate – not laminated.
- No added urea formaldehyde.
- Made using sustainable materials and contributes to industry green building programs.
- 5-year limited warranty.

**What can I make with Extira panels?**

- Any nonstructural paint grade application for exterior and interior use.
- Extira has been used for exterior millwork such as fluting, rosettes, dentil mould, raised panels, shutters; fenestration (door and window parts); exterior signage; some marine, landscape and nursery applications; underlayment for countertops and many other applications.

**How does Extira compare to MDF?**

	EXTIRA	Typical MDF
<b>Application</b>	Exterior	Interior
<b>Composition</b>	Wood, phenolic resins, zinc borate, water repellent, and other ingredients. No added urea formaldehyde.	Wood, urea formaldehyde resin that may emit formaldehyde.
<b>Manufacturing Process</b>	Proprietary, patented steam injection technology using TEC™ manufacturing process.	Pressed between hot platens. Open process, no steam injection.
<b>Benefits</b>	Consistent density. Moisture, rot and termite resistant. Exterior performance.	Not uniformly dense throughout. No termite or rot protection. MR MDF offers moisture resistance for interior use only.
<b>Warranty</b>	5 years	30 days

- In internal CMI bucket testing, Extira panels exhibited substantially smaller edge cracks after exposure and air drying than Medex. Call the Extira Help Desk for test details at 1.866.382.8701.
- Caliper swell when saturated in water improves 1-1/2 to 5 times comparing Extira to MR grade and typical MDF.
- CMI manufactures another product, MiraTEC trim, using the same ingredients and manufacturing technology which has performed exceptionally well since 1998.

**How are Extira panels made?**

- Wood fiber, phenolic resins, zinc borate and a water repellent are combined to form a thick fiber mat. Extira is 90% wood.
  - Zinc borate controls the growth of white and brown rot and other wood-destroying organisms. It is an EPA-registered biocide.
- The fiber mat is loaded into a sealed cavity.
- Steam is injected directly into the mat, making heat transfer uniform through the mat. This process is controlled by forced convection.
- Steam escapes the mat evenly from the center to the periphery of the board, improving board properties and allowing thicker board dimensions.
- This process contrasts with the slow, outside-to-inside temperature rise found in conventional MDF-type pressing.
- After cooling, Extira is sanded on both sides with a six-headed sander to reach thickness tolerances of +/-0.005".

**How is MDF made?**

- Wood fibers are blended with resins (often urea formaldehyde resins) and formed into a mat.
  - No ingredients for moisture, rot or termite resistance are added.
- The mat is pressed between hot platens.
- Heat is transferred from the platens to the mat. This can be a slow process because air becomes trapped in the mat and moisture evaporates during this process. It also takes a long time to transfer heat to the center of the mat. Air and steam escape around the periphery of the mat. The temperature at the surfaces of the mat is greater than the core during the press cycle.
- The properties of the final product are influenced greatly by the final core temperature within the mat.
- Due to this process, the board is not necessarily consistent throughout all points.

**Are Extira panels a green product?**

Yes. At the heart of all CMI products is a commitment to an environmentally responsible manufacturing process.



- Due to their physical composition, Extira panels are not subject to California Air Resources Board's (CARB) Airborne Toxic Control Measure (ATCM) 93120. This measure enforces limits on formaldehyde emissions. If they were subject to the ATCM rule, Extira panels would meet the specification for the designation "ultra low formaldehyde emitter."
- Through repeated testing by the Composite Panel Association (CPA), Extira panels have demonstrated formaldehyde emissions equivalent to background levels found in the environment.
- No old growth wood is used in the manufacture of Extira panels. They are made from wood that is of no commercial timber value and is the byproduct of other operations. This leftover wood is also detrimental to the overall vitality of the forest.
  - All wood comes from an area within a 200 mile radius of the Towanda, PA production facility.
  - CMI uses 100% northern hardwoods which includes maple, beech, oak and other species.
- Extira panels contribute to industry green building programs such as LEED® and the National Green Building Standard.™

**Do Extira panels contain urea formaldehyde?**



- Extira panels have no added urea formaldehyde. This is certified by Scientific Certification Systems certificate number SCS-MC-01802. Emission levels of formaldehyde from Extira panels are equivalent to trace levels found in the environment.
- The manufacture of Extira panels utilizes only phenolic resins, which provide excellent durability and moisture resistance.

**What is zinc borate?**

Zinc borate is an EPA-registered biocide. It is a wood preservative that provides protection from wood destroying organisms for wood composite materials. It is added during the manufacturing process to control the growth of white and brown rot decay fungi. Zinc borate is a broad-spectrum fungicide with no demonstrated adverse environmental effects.

**Why are Extira panels better than wood?**

- Extira panels have stable pricing and availability.
- No knots or voids, therefore offering 100% yields.
- Resists checking, splitting and cracking.
- Environmentally responsible.
- Resists moisture, rot and termites.

**How are Extira panels similar to wood?**

Extira is 90% wood so it retains some of the same attributes. It handles and machines well.

**How can Extira panels be cut?**

Fine tooth handsaws or power saws with combination blades work best. CMI recommends carbide tipped blades. Cut into the face of the material. Extira can also be mitered for applications such as joints or column posts. Extira can be routed or shaped for a variety of molding patterns and will machine similarly to standard MDF.

**How can I fasten Extira panels?**

CMI recommends traditional fasteners, such as glue and adhesives. We recommend polyurethane-based adhesives. Some general guidelines: 1) Position nails no closer than 1/2" from the edge; 2) Drill pilot holes when putting a screw into the edge of the product. This is not necessary when you screw into the face. CMI does not recommend nailing into the edge of the product.

**How do Extira panels perform in laboratory testing?**

CMI conducted field tests for rot and termite resistance on Extira and southern yellow pine. The testing was performed by Louisiana State University in the swamps of southern Louisiana. Each test ran for 3 years, with observations recorded every six months.

**TERMITE RESISTANCE:**

Test standard: AWP A E7 – Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.

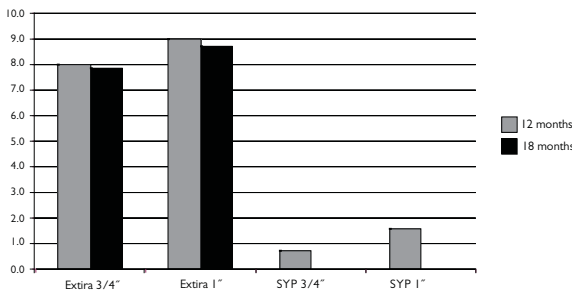
Test dates: June 2003 through June 2006.

Test variables: Extira 3/4" and 1".  
Southern Yellow Pine 3/4" and 1".

Rating scale: The rating scale is from 0 to 10, where a score of 0 represents complete failure and 10.0 represents no termite activity.

Test results: After 18 months of exposure, Extira panels showed less than 25% termite activity on both 3/4" and 1" samples. Over the same evaluation period, the Southern Yellow Pine was completely destroyed. Full test data for both 12 and 18 month observations are recorded below:

**TERMITE TEST:**



**ROT RESISTANCE:**

Test standard: AWP A E16 – Field Test for Evaluation of Wood Preservatives to be used Out of Ground Contact: Horizontal Lap-Joint Method.

Test dates: May 2003 through June 2006.

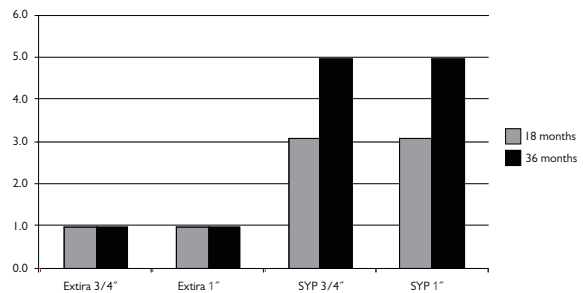
Test Variables: Extira 3/4" and Extira 1".  
Southern Yellow Pine 3/4" and 1".

Rating Scale: The test is rated on a 0-5 scale. A score of 0 indicates no evidence of rot and a score of 5 represents a total failure (eg. test sample was destroyed by rot). A score of 1.0 indicates that the sample shows trace attacks of rot, limited to superficial damage. Observations were recorded at the joints and laps (outside). Lap measurements are reported in this document.

Test results: After both 18 months and 3 years of exposure, Extira scored a 1.0 for both 4/4 and 5/4. A full breakdown of the observations follows.

After 3 years of exposure, the Southern Yellow Pine showed total failure, scoring 5.0 for both thicknesses tested. After 18 months, the Southern Yellow Pine received a rating of 3.1. A rating of 3.0 indicates moderate attack with softening of wood evident, consistent with rot decay in areas greater than 0.5" in<sup>2</sup>.

**ROT TEST:**



**THICKNESS SWELL**

As measured by ASTM D1037-99, Extira panels showed thickness swell approximately 40% less than MR 50 MDF. Moisture Resistant Grade 50 MDF has a maximum thickness swell of 5%.

**ACCELERATED AGING TEST**

As measured by ASTM D1037-99, Extira panels retained 90% of its original strength after the 6-cycle accelerated aging test. The accelerated aging test is a means of testing the durability of a product when it is submitted to seasonal changes. To do this, the product undergoes cycles of freezing, thawing, soaking, and heating to mimic conditions in areas of seasonal change in terms of humidity, temperature and moisture.

**Can I buy Extira panels machined or fluted?**

No. Extira panels are sold in unprimed, square cut panels only.

**Where can I buy Extira panels?**

For the distributor nearest you, visit [extira.com](http://extira.com) and access the distributor locator, or call the Extira Help Desk at 1.866.382.8701 or visit [extira.com](http://extira.com).

**How can I learn more about Extira panels?**

Contact the Extira Help Desk at 1.866.382.8701 or visit [extira.com](http://extira.com).

## FEATURES

## BENEFITS

True exterior panel	<p>Extira panels are specifically designed and manufactured for exterior use, unlike MDF. Extira panels also offer high performance in high-moisture, interior environments. Use instead of wood for non-structural, paint-grade applications such as:</p> <ul style="list-style-type: none"> <li>• Column Wraps</li> <li>• Shutters</li> <li>• Planters</li> <li>• Brick Mould</li> <li>• Exterior Signage</li> <li>• Sub-Floor</li> <li>• Marine Applications</li> <li>• Carriage Style Garage Doors</li> <li>• Door and Window Parts</li> <li>• Decorative Mouldings</li> <li>• Brackets</li> </ul>
Moisture, rot and termite resistant	<p>Moisture resistant: As measured by ASTM D1037 for water absorption and thickness swelling.</p> <p>Rot resistant: As measured by AWPA E-16 Field Test for Evaluation of Wood Preservatives To Be Used Out of Ground Contact: Horizontal Lap-Joint Method.</p> <p>Termite resistant: As measured by AWPA E-7 Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.</p>
Patented and proprietary TEC™ process	Moisture, rot and termite resistant. The TEC process was created to develop a wood composite that outperforms all other composite trim products in moisture, rot and termite testing (test data is available upon request). Offers long term performance and durability.
Smooth on both sides	Sanded on both sides to meet caliper tolerances of +/- 0.005"
Homogeneous – one piece substrate	No voids or resin pockets to damage cutting and shaping equipment.
5-year limited warranty	Unprecedented in the product category.
Product offering and sizes	<p>Breadth of product line offers versatility:            1/2", 5/8", 3/4", 1", and 1 1/4" thickness            4' x 8', 4' x 16', 2' x 16' panels</p>
Treated with zinc borate	Zinc borate is an EPA-registered biocide and is a natural earth chemical. It is a wood preservative that provides protection from wood destroying organisms for wood composite materials. It is environmentally safe.
Handles like wood	Works with standard tools and practices; easy to handle, cut, machine and nail. Can be sandblasted, routed, carved and laser engraved.



## Extira Treated Exterior Composite Panels Provide Green Building Benefits

- ✓ No Added Urea Formaldehyde
- ✓ Not Subject to CARB ATCM
- ✓ Made with Sustainable Materials
- ✓ Contribution to Industry Green Programs

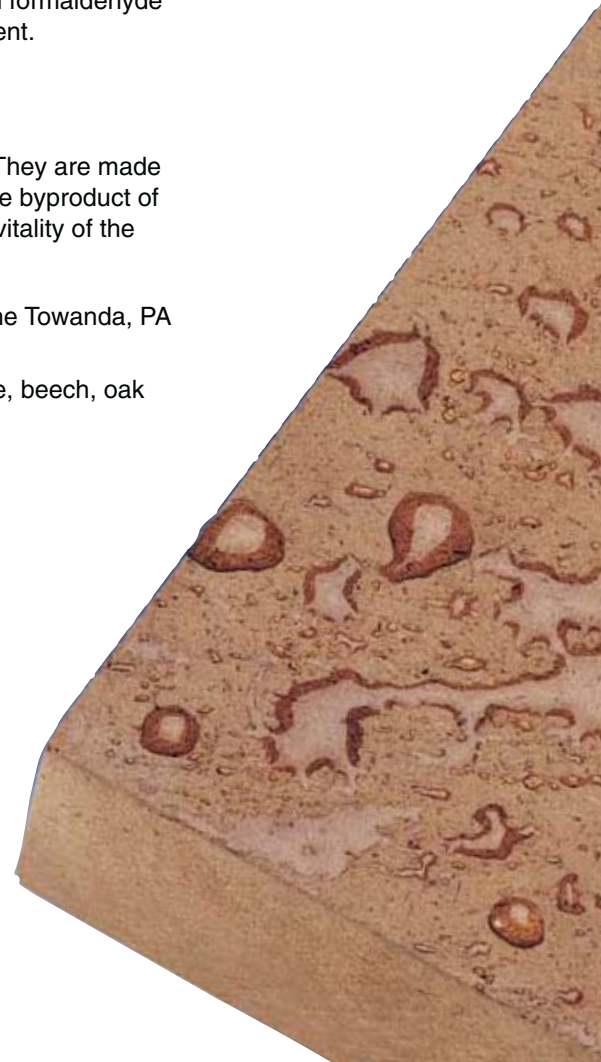
### No Added Urea Formaldehyde

- Extira panels have no added urea formaldehyde. This is certified by Scientific Certification Systems, certificate number SCS-MC-01802.
- Due to their physical composition, Extira panels are not subject to the California Air Resources Board's (CARB) Airborne Toxic Control Measure 93120 (ATCM). This measure enforces limits on formaldehyde emissions. If they were subject to the ATCM, Extira panels would meet the specification for the designation "ultra low formaldehyde emitter."
- Through repeated testing by the Composite Panel Association (CPA), a third party certifier for the ATCM rule, Extira panels have demonstrated formaldehyde emissions equivalent to background levels found in the environment.



### Sustainable Materials

- No old growth wood is used in the manufacture of Extira panels. They are made from leftover wood that is of no commercial timber value and is the byproduct of other operations. Leftover wood is also detrimental to the overall vitality of the forest.
  - All wood comes from an area within a 200 mile radius of the Towanda, PA production facility.
  - CMI uses 100% northern hardwoods which includes maple, beech, oak and other species.





## Contributes to Industry Programs

LEED® 2009 for Commercial Interiors	Credits	Description
<b>Regional Materials<sup>1</sup></b>	MR 5	Option 1 (1 Point): Use a minimum of 20% of the combined value of construction and Division 12 (furniture) materials and products that are manufactured regionally within a radius of 500 miles.  Option 2 (2 Points): Meet the requirements of Option 1 and use a minimum of 10% of the combined value of construction and Division 12 (furniture) materials and products extracted, harvested or recovered, as well as manufactured, within 500 miles of the project.
<b>Low-Emitting Materials – Composite Wood and Agrifiber Products</b>	IEQ 4.4	Composite wood and agrifiber products used on the interior of the building (i.e. inside the weatherproofing system) must contain no added urea formaldehyde resins.

LEED 2009 for New Construction and Major Renovations	Credits	Description
<b>Regional Materials<sup>1</sup></b>	MR 5	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value. The minimum percentage regional materials for each point threshold is as follows: 1 point for 10% regional materials and 2 points for 20% regional materials.
<b>Low-Emitting Materials – Composite Wood and Agrifiber Products</b>	IEQ 4.4	Composite wood and agrifiber products used on the interior of the building (i.e. inside the weatherproofing system) must contain no added urea formaldehyde resins. Inside of the weatherproofing system shall contain no added urea formaldehyde resins.

LEED for Homes	Credits	Description
<b>Nontoxic Pest Control</b>	SS 5	In areas marked “moderate to heavy” on the termite infestation probability map, treat all cellulosic material with a borate product to a minimum of 3 feet above the foundation. MiraTEC trim contains zinc borate.

NAHB – National Green Building Standard™	Credits	Description
<b>Termite-resistant materials</b>	602.8	Termite-resistant materials are used for the structural components and exterior claddings of walls, floors, roofs and exterior decks in geographical areas that have slight to moderate or greater subterranean termite infestation potential.
<b>Resource-Efficient Materials</b>	607.1 (2)	Products used contain fewer materials to meet the same end-use requirements as conventional production, including but not limited to engineered wood or engineered steel products.
<b>No Added Urea Formaldehyde</b>	901.4 (d)	85% of countertops, permanent shelving, and other nonstructural products manufactured in accordance with the following: composite wood or agrifiber panel products contain no added urea formaldehyde.

<sup>1</sup> Dependent on project site location.

## Industry Affiliations and Memberships

Sustainable Forestry Initiative (SFI)  
www.sfiprogram.org

Northern Tier Hardwood Association (NTHA)  
www.ntha.ws

U.S. Green Building Council (USGBC)  
www.usgbc.org

## CMI Engages in Environmental Practices

- CMI completed the Towanda Energy Project which led to a 340 ton annual reduction in air emissions and recycled use of 950,000 cubic yards of waste fiber.
- In each of its facilities, CMI uses energy efficient lighting and participates in on-site recycling programs.
- CMI headquarters is located in a building close to obtaining Silver Status in LEED for Existing Buildings in Chicago, IL.

