EXTIRA®

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.

SCS CERTIFIED
NO ADDED UREA FORMALDEHYDE
SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01802

CLASSIFIED UL

FIVE YEAR 5 LIMITED WARRANTY

From the makers of:

CraftMaster INTERIOR DOORS

MIRATEC® Treated Exterior Composite TRIM

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

	Extira	Typical MDF
Application	Exterior	Interior
Composition	Wood, phenolic resins, zinc borate, water repellent and other ingredients. No added urea formaldehyde	Wood, urea formaldehyde resin that may emit formaldehyde
Manufacturing Process	Proprietary, patented steam injection technology using TEC™ manufacturing process	Pressed between hot platens. Open process, no steam injection
Benefits	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
Warranty	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%[2]	5% max	NA
Advanced Bond Integrity (% strength retention)	90%	Passes[2] ASTM D1037-96	50% min	NA
Termite Resistance (10 is the highest score)	7.9 out of 10 (3 year exposure)[1]	None	None	None, 0.0[1]
Rot Resistance (0 is the highest score)	1.0 out of 5 (3 year exposure)[1]	None	None	None, 5.0[1]

[1] Independent testing per AWPA E-7 and AWPA E-16
[2] 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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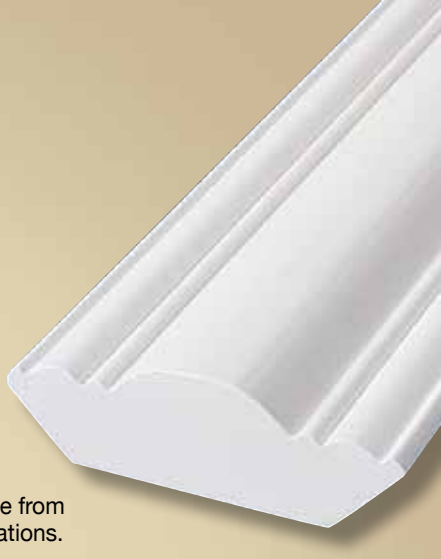


Extira Panels are a Green Product

✓ 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.

SCS CERTIFIED
No Added
Urea Formaldehyde

SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01802

✓ 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.

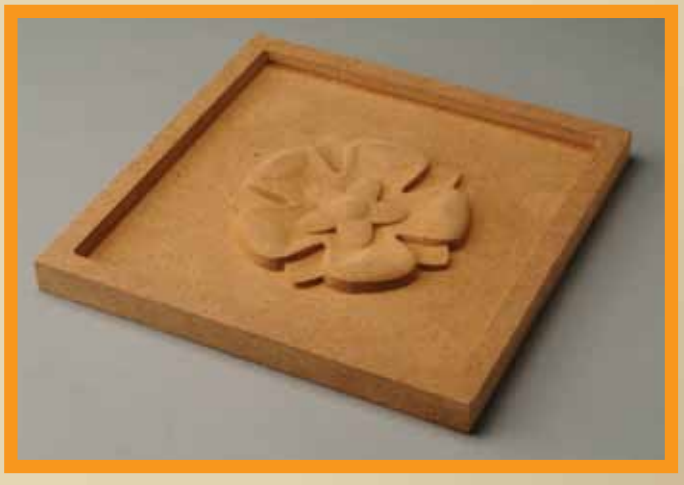
✓ CARB Compliant

- 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.

U.S. GREEN BUILDING COUNCIL MEMBER

✓ 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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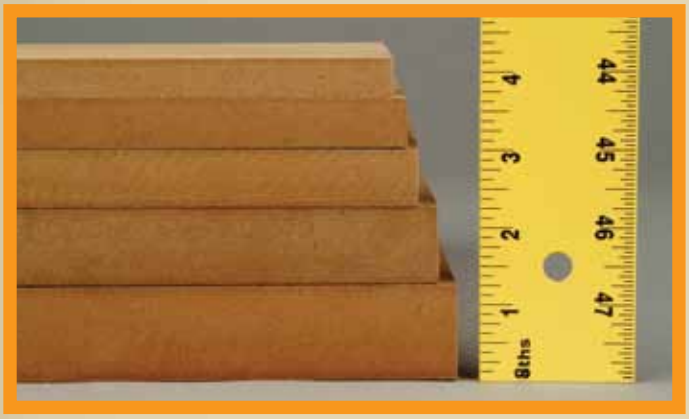
Extira is the Best Alternative

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

[1] Non-transferrable
[2] PVC generally has trouble accepting darker shades of paint
[3] 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



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 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.

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

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

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