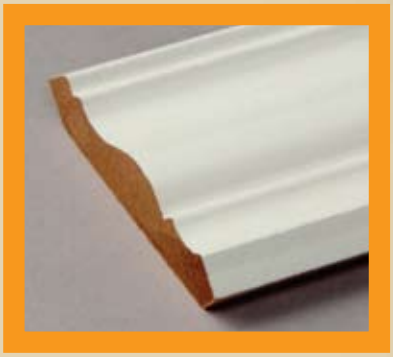

EXTIRA®

TREATED EXTERIOR PANEL

Put Extira to Work on Your Next Project

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

- Sanded two sides 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
- Extira has a Class C fire rating; Flame spread 120; Smoke developed 95
- Due to their physical composition, Extira panels are not subject to the California Air Resource Board's 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." Extira panels have demonstrated formaldehyde emissions equivalent to wood through repeated testing by the Composite Panel Association (CPA), a third party certifier for the ATCM rule.
- 5-year limited warranty

From the Makers of

CraftMaster® INTERIOR DOORS

MIRATEC® Treated Exterior Composite TRIM

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

	Extira	Typical MDF
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
Application	Exterior	Interior

Extira is Stronger and Performs Longer

	Extira 3/4˝	Medex 3/4˝	Norbord MR 3/4˝	MR 50 Grade 110 per ANSI 208.2-2002	Wood
Thickness Swell (TS)	3.3%	3%[2]	8.0%[3]	5% max	NA
Advanced Bond Integrity (% strength retention)	90%	Passes[2] ASTM D1037-96	20%[4]	50% min	NA
Termite Resistance (10 is the highest score)	7.9 out of 10 (3 year exposure)[1]	None	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	None, 5.0[1]

[1] Independent testing per AWPA E-7 and AWPA E-16
[2] Published material by Medex
[3] Published material by Norbord
[4] Cycle Testing: Published by Norbord as immersion in water for 3 days, freezing in air at 10°F for 1 day, exposure to air at 158°F for 3 days.

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

EXTIRA®
TREATED EXTERIOR PANEL

Extira Panels Provide Green Building Benefits

✓ No Added 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.

SCS CERTIFIED
No Added
Urea Formaldehyde

SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01802

✓ Sustainable Materials

No old growth wood is used in the manufacture of Extira panels. They are made from scrag wood that is of no commercial timber value and is the byproduct of other operations. Scrag 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

✓ Contribution to Industry Programs

Extira panels can contribute towards the following point categories.

USGBC® LEED® for Commercial Interiors and New Construction		
MR 5.1	20% Manufactured Regionally (within 500 miles)	√*
MR 5.2	10% Extracted and Manufactured Regionally	√*
EQ 4.4	Composite wood components that contain no added urea-formaldehyde resins.	√

**dependent on project site location*

USGBC® LEED® for Homes		
SS 5	Non Toxic Pest Control	√

NAHB – National Green Building Standard™		
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.	√
607.1	Resource-Efficient Materials – 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.	√
901.4	No Added Urea Formaldehyde — 85 percent 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.	√

California Air Resources Board		
Phase 1 & 2	Due to their physical composition, Extira panels are not subject to the California Air Resources Board's 1 & 2 Airborne Toxic Control Measure 93120 (ATCM)	√

EXTIRA®
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[3]	Good	Poor	Poor	Good	Best
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	Best
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	3550 psi	24.5 MPa
MOE	315 kpsi	2172 MPa
Internal Bond	92 psi	634 kPa
Direct Screw Withdrawal		
Face	352 lbf	160 kgf
Edge	335 lbf	152 kgf
24-Hour Soak		
% Thickness Swell	3.3%	3.3%

EXTIRA®
TREATED EXTERIOR PANEL
extira.com

CLASSIFIED UL
R 20827
Surface Burning Characteristics
Flame Spread 120
Smoke Developed 95