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; meets caliper requirements of +/- 0.005˝.
- Easy to work with; can be carved, routed and machined.
- Resists moisture, rot, and termites. Twice as strong as MDF and engineered for exterior use.
- No added urea formaldehyde; made from sustainable materials.
- Can be used for any non-structural paint-grade application, including exterior millwork, door and window parts, signage, garage doors and architectural components.
- Class C fire rating; Flame spread 120; Smoke developed 95.
- 5-year limited warranty.

ENVIRONMENTAL CLAIMS VALIDATION by SCS Global Services — NO ADDED UREA FORMALDEHYDE

CLASSIFIED UL R 20827

FIVE YEAR 5 LIMITED WARRANTY

From the makers of:

MIRATEC® Treated Exterior Composite TRIM

wensco

800.253.1569 | wensco.com

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

	Extira Panels	Typical MDF
Application	Exterior	Interior
Composition	Wood, phenolic resins, zinc borate, water repellent and other ingredients No added urea formaldehyde	Wood, urea formaldehyde resin May emit formaldehyde
Manufacturing Process	Proprietary, patented steam injection technology using TEC™ manufacturing process	Pressed between hot platens in an open press without steam injection
Benefits	Consistent density - same density wherever it is cut Resists moisture, rot and termite Made for exterior performance	Not uniformly dense throughout No termite or rot protection MR MDF (moisture resistant 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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Environmentally Friendly Panel Product

✓ Sustainable Materials

- No old growth wood is used in the manufacture of Extira panels. They are made from wood that has 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 150 mile radius of the Towanda, PA production facility.
  - 100% northern hardwoods are used, 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

ENVIRONMENTAL CLAIMS VALIDATION by SCS Global Services — 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

U.S. GREEN BUILDING COUNCIL MEMBER

- 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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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

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	3187 psi	22.0 N/mm^2
MOE	280 kpsi	1958 N/mm^2
Internal Bond	103 psi	.71 N/mm^2
Direct Screw Withdrawal		
Face	374 lbs	1663 N
Edge	324 lbs	1441 N
24-Hour Soak		
% Thickness Swell	2.6%	2.6%

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 JELD-WEN, inc. makes wood composite panels and not adhesives, primers or other materials, it cannot guarantee the performance or compatibility of any material to Extira. JELD-WEN, inc. regularly tests materials at the R&D lab and manufacturing location; also testing is done performs testing with 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. JELD-WEN, inc. has no liability for primers, paints, adhesives or any other treatment of Extira.

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JELD-WEN

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Class C Fire Rating
Flame Spread 120
Smoke Developed 95

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