



**Stonewood™ Exterior Architectural Panels
Section 07 42 00 Wall Panels
PRODUCT DATA SHEET**

1. Product Name

Stonewood Exterior Architectural Panels

2. Manufacturer

Fibersin Industries, Inc.
37031 E. Wisconsin Avenue
PO Box 88
Oconomowoc, WI 53066
Phone (262) 567-4427
Fax (262) 567-4814
Web Sites: www.stonewoodpanels.com, www.fibersin.com

3. Product Description

BASIC USE AND APPLICATION

Stonewood Architectural Panels are used as exterior ventilated panels for building cladding or rainscreen applications.

BENEFITS

Stonewood Panels offer the strength and durability of a solid phenolic core as well as excellent moisture and weather resistance. Countless design offerings are available in addition to custom designs. UL Class A and Class B fire rated options are available.

MATERIAL

Stonewood is manufactured with a core of phenolic resin-impregnated kraft paper and a face of melamine resin-impregnated decorative pattern, compressed at high pressure and temperature. The surface pattern is unlimited in color and texture, while the core is standard black or natural brown. The panel is further protected by a UV-blocking layer designed to withstand all weather conditions.

Figure 1 shows the buildup of a typical Stonewood Architectural Panel.

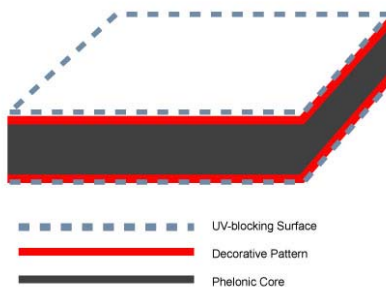


Figure 1 – Stonewood Exterior Panel composition



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PANEL DIMENSIONS

Stonewood is offered in 4'x8' panels and manufactured to different thicknesses. Standard thicknesses are: 5/16", 8 mm, 3/8", 10 mm, 1/2", 13 mm. Other thicknesses are available.

MACHINED PANELS

Stonewood Panels can also be purchased machined to specific sizes and/or pre-drilled.

GREEN CHARACTERISTICS

Stonewood Panels are solid phenolic, thermally-fused materials comprised of multiple sheets of kraft fiber paper. These kraft papers can be FSC® certified and contain 16% or more post-industrial, recycled wood fiber content. FSC® certification provides third-party assurance that all wood fibers are from responsible sources.

The Stonewood Panel manufacturing facility has been BIFMA level® certified.

Fibersin offers a 100% post-consumer recycled Stonewood Panels with a Class B fire rating. This product is not FSC® certified.

4. Technical Data

Solid Core Phenolic Physical and Performance Test Values

Panel Core		Black
Panel Thickness		3/8" (10mm)
PHYSICAL PROPERTIES	Test Method	Result
Modulus of Elasticity		1500000 psi
Tensile Strength	ASTM D638	
	MD(psi)	18,000
	CD (psi)	13000
Flexural Strength	ASTM D 790-07	
	MD(psi)	20,000
	CD (psi)	16,000
Flexural Modulus	ASTM D 790-07	
	MD(psi)	2.0x10(6)
	CD (psi)	1.5 x 10(6)
Dimensional Stability Length (Machine Direction), Width (Cross Direction)	EN438-2 17	0.25% (L), 0.50% (W)
Density		82



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FIRE TESTING		Class A
Smoke Development	ASTM E84	15
Flame Spread Index	ASTM E84	15
Fire Propagation	NFPA 285	PASS
WEATHERING		
Color Stability	EN438-2:29 (ASTM G152)	gray scale >3
SYSTEM/ LOCATION TESTS		
Equivalency Letter	ASTM E283, E330, E331	PASS
Florida Building Completed Tests	Code TAS 202, 203	

Manufacturing Tolerance

Thickness (.156 to .375)	+/- .020
Thickness (above .375 to 1.000)	+/- .030
CNC Shaped size (Length -Width)	+/- .020
Drill Diameter	+/- .003
Drill Depth	+/- .020
CNC Hole to Hole	+/- .020
CNC Hole to Edge (1 Oper)	+/- .020
CNC Hole to Edge (2 Oper)	+/- .030
Routing - (Slots Width and Length)	+/- .015
Routing - (Slots Depth)	+/- .020

5. Storage and Handling

- A. Transport materials in manufacturer's original unopened containers/packages, with labels clearly identifying product name, manufacturer, color/texture, and weight.
- B. Always transport and store horizontally.
- C. Store materials in clean, dry area in accordance with manufacturer's instructions.
- D. A supporting board must be used underneath the Stonewood Panel to drill a clean hole.
- E. Panels should be cut using a track saw on a guild rail with a blade designed for cutting aluminum/plastic. Fibersin recommends the Festool TS 55 REQ Plunge Cut Track Saw and Festool 496307 Aluminum/Plastic saw blade for reference.



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6. Installation

Refer to Stonewood Exterior Panels Installation Guidelines.

7. Availability

Stonewood Architectural Panels are available throughout North America. Go to www.stonewoodpanels.com or contact sales at 262-567-4427 or info@fiberesin.com.

8. Warranty

Stonewood Architectural Panels carry a 10-year product warranty.