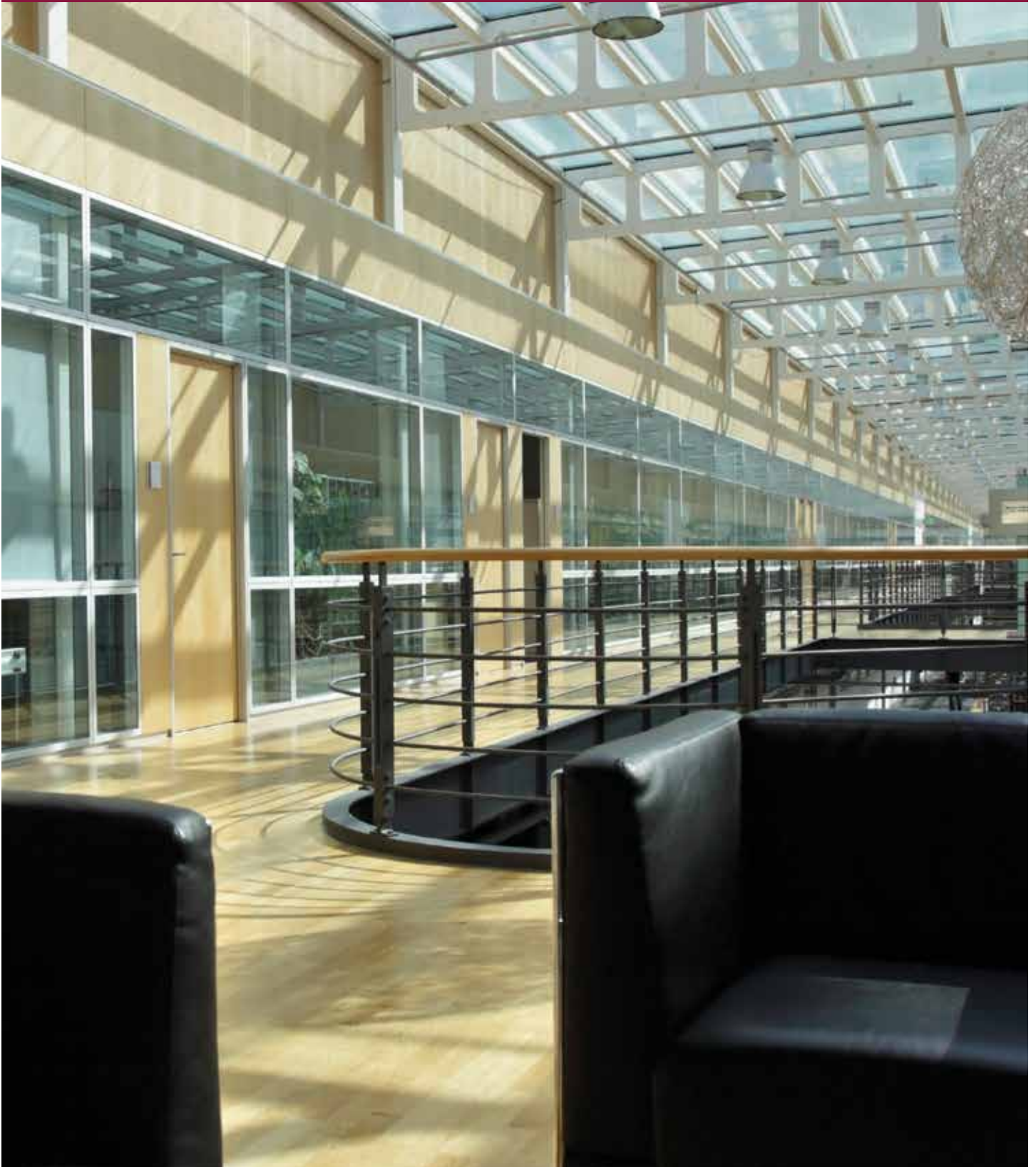


Wood Doors | Maiman

Thermal Fused Flush Doors





## Good Design

Twenty-eight standard wood grain colors by Wilsonart® anchor interior building design with exceptional aesthetic appeal. Additional choices like varied thickness, dutch door configuration, glass stop configuration, special order wood grains, and sustainable options make for endless possibilities. The unique manufacturing process, involving attention to detail and design, ensures consistency for the entire project.

## Durability

Our exclusive Thermal Fused technology allows us to create a stronger (Extra Heavy Duty Rated per the WDMA, Window and Door Manufacturers Association) and more durable scratch-resistant door that will never delaminate. The face material of the door is thermally fused (not just glued) to the core material, creating a very strong and stable monolithic unit that can't be separated. This is what sets us apart from any other decorative laminate-faced doors on the market today.

## Value and Service

Thermal Fused doors provide many years of superior and worry-free performance. The lifetime warranty provides peace of mind for the lifetime of the installation for interior locations. Adding additional value to the project, pricing of doors remains consistent, regardless of finish choice and quantity.



Maiman Thermal Fused door project at  
Oaklawn Elementary School in Oshkosh School District; Oshkosh, WI  
Photos provided by © 2013 Weston Imaging Group, LLC

Maiman Thermal Fused door project at  
Oaklawn Elementary School in Oshkosh School District, Oshkosh, WI  
Photos provided by © 2013 Weston Imaging Group, LLC

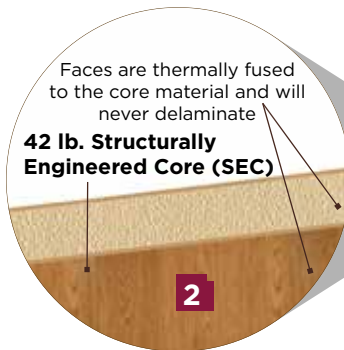


## Design Details

Hinge Prep Detail



Cross Section Detail



## Specifications

Type	Thermal Fused (for interior use only) LPDL - Low pressure decorative laminate
Meets or exceeds these industry standards	WDMA I.S. IA ANSI-A208.1 grade M2 NEMA LD 3-2000 LMA.2003 - Decorative Overlay ASTM E 90-99, STC Testing ASTM F-476, Security Testing grade 40
Thickness	1-3/8" or 1-3/4"
Maximum dimensions	48" x 108" prefit
<b>1</b> Face material	Faces are thermally fused to the core at approximately 600 psi and 392°F., no finishing is ever required
<b>2</b> Core material	42 lb. structurally engineered particle board core
<b>3</b> Edgebanding	1mm (.04") thick durable edgebanding completely seals the perimeter of the door, including the top and the bottom
<b>4</b> Reinforced hinge screw locations	Pre-drilled, glued, spiral-grooved birch reinforcements of 2x the diameter of the hinge screws eliminate the need for stiles, rails, and cross bands
Lite and louver openings	Cut-out not to exceed 40% of door area with a minimum of 6" from the edge and top of the door
Sustainable content	Doors composed of 85% recycled and recovered content
Warranty	Life of original installation See our full warranty for details

# Thermal Fused Door Standard Color Collection

The Standard Color Collection of woodgrain colors by Wilsonart® will anchor your design with exceptional durability and aesthetic appeal.

The samples shown here are intended to be used as a guide. Due to commercial printing processes the colors displayed may not be completely accurate.

Please ask an Masonite Architectural Wood Door expert for a sample to choose exact colors.

**877.332.4484**  
[www.masonitearchitectural.com](http://www.masonitearchitectural.com)



Asian Sand  
7952K



Blond Echo  
7939K



Beigewood  
7850



New Age Oak  
7938



High Line  
7970K



Fusion Maple  
7909



Monticello Maple  
7925



Brazilwood  
7946



Harvest Maple  
7953



Fonthill Pear  
10745



Huntington Maple  
7929



Asian Sun  
7951K



Uptown Walnut  
7971K



River Cherry  
7937



Walnut Heights  
7965K



Nepal Teak  
7209K



Wild Cherry  
7054



Amber Cherry  
7919K



Biltmore Cherry  
7924K



English Oak  
7885K



Zanzibar  
7957K



Shaker Cherry  
7935K



Versailles Anigre  
7923K



Mambo  
7948K



Colombian Walnut  
7943K



Brighton Walnut  
7922K



Empire Mahogany  
7122K



Cafelle  
7933K

# Sustainability

Masonite Architectural Wood Doors understands that building materials need to be healthier and more sustainable for the future. Masonite Architectural Wood Doors is opening the doors to product transparency by offering GREENGUARD Gold certifications, Declare labels, Health Product Declarations, and Environmental Product Declarations on many products, including Thermal Fused doors. Ingredients and materials are openly shared so that architects and specifiers can utilize the information for more sustainable built environments.

Masonite Architectural Wood Doors can help contribute to building certification programs like LEED and Living Building Challenge.



## LEED Certification Contribution

Materials & Resources (MR)	
<b>Credit 1.2</b> Building Reuse	Maintain existing interior non-structural elements
<b>MR Credit 4</b> Recycled Content	Products contain recycled content and can assist in the attainment of this credit
<b>MR Credit 5</b> Regional Material	Doors and frames qualify for Regional Material credit under LEED for commercial interiors
<b>MR Credit 6</b> Rapidly Renewable	Maiman offers an agrifiber core made of wheat stalks that can help projects qualify for this credit
<b>MR Credit 7</b> Certified Wood	Maiman has Forest Stewardship Council (FSC) <sup>®</sup> certified products across their product lines to help projects qualify for this credit
Indoor Environmental Quality (IEQ)	
<b>IEQ Credit 3.2</b> Construction Indoor Air Quality Management Plan-Before Occupancy	Project teams specify Maiman doors meeting GREENGUARD Gold testing will assist with IEQ 3.2 compliance
<b>IEQ Credit 4.1 &amp; 4.2</b> Low-Emitting Materials - Adhesives & Sealants, Paints & Coatings	Only applies to materials applied within the weatherproofing system however, Maiman offers solutions including pre-finished door openings and pre installed glazing, allowing LEED projects to avoid applying materials on site
<b>IEQ Credit 4.4</b> Low-Emitting Materials - Composite Wood & Agrifiber Products	Maiman has NAUF and CARB 1 & 2 certified products available across their product lines; Thermal fused, stile and rail and wood door jambs meet NAUF; Maiman doors and frames are certified to GREENGUARD Indoor Air Quality testing and can be used where required in LEED school, healthcare and retail projects
<b>IEQ Credit 4.6</b> Low-Emitting Materials-Ceiling & Wall Systems	All Maiman products are GREENGUARD Indoor Air Quality certified to meet this LEED credit requirement
<b>IEQ Credit 8.1 &amp; 8.2</b> Daylight & Views	Adding glazing and sidelights to openings built with products from Maiman will assist projects in achieving this LEED credit
<b>LEED Pilot Credit 43</b> Certified Products	Maiman products provide single attribute certification for recycled content through Science Certification Systems, Inc. (SCS) as well as wood under FSC and contribute 50% based on cost
<b>IEQ Credit 9</b> Enhanced Acoustical Performance	Maiman offers Thermal Fused and Stile and Rail STC door solutions with an operable range from 33 to 46; these products can come with seal sets and can help LEED projects gain credit for Enhanced Acoustical Performance
LEED EBOM Specific Credits	
<b>MR Credit 3</b> Sustainable Purchasing - Facility Alterations & Additions	Maiman can help sustainable purchasing programs meet many of the requirements to obtain this credit
<b>MR Credit 9</b> Solid Waste Management - Facility Alterations & Additions	Many products can be recycled (in the case of our metal products, potentially infinitely) and reused

# Performance Testing

Properties	Description	Test Standards	Performance Values	Maiman Values
Hingeload Test	The ability of a wood door stile to resist the horizontal withdrawal of an attached hinge; the test is designed to simulate the downward force to knob area on the leading edge of a hinged swinging door	WDMA TM-8	Standard Duty 400 lbs. Heavy Duty 475 lbs. Extra Heavy Duty 550 lbs.	1,239 lbs.
Screw Withdrawal Vertical Door Edge	The ability of a wood door component to resist the withdrawal of a screw perpendicular to the component	WDMA TM-10	Standard Duty 400 lbs. Heavy Duty 475 lbs. Extra Heavy Duty 550 lbs.	909 lbs.
Screw Withdrawal Door Face	The ability of a wood door component to resist the withdrawal of a screw perpendicular to the component	WDMA TM-10	Standard Duty 400 lbs. Heavy Duty 475 lbs. Extra Heavy Duty 550 lbs.	699 lbs.
Warp	The allowable variation from a flat plane within the door surface	WDMA TM-2	All Duty Levels: 1/4" within 3'-6" x 7'-0" Door Section Max.	Meets or Exceeds
Squareness	The allowable differential in squareness, measured on the diagonal	WDMA T-3	Diagonal Variance 1/8"	Meets or Exceeds
Cycle Slams	To determine the physical endurance of wood doors and associated hardware connections under accelerated operating conditions	WDMA TM-7	Standard Duty 250,00 cycles Heavy Duty 500,000 cycles Extra Heavy Duty 1,000,000 cycles	1,000,000 Cycles
STC Rating	The sound insulating property of a wood door	ASTM E90-99	N/A	32-46
Security Test	To determine the strength of an opening when subjected to a kicking force that could be achieved by an individual breaking into a building	ADTM F-476	Medium 10 Low/Med 20 Med/High 30 High 40	Grade 40
<b>Structural Core Specifications</b>				
Density		ANSI-A208.1 Grade M-2	28-32 lbs./ft3	Average 42 lbs./ft3
<b>Door Dimensional Tolerances</b>				
Width Height Thickness	+ or - 1/32" Factory Prefit + or - 1/16" Factory Prefit + or - 1/16" Factory Prefit			
<b>Decorative Surface Characteristics</b>				
Wear Resistance	Measure of the ability of the surface to keep its design or color under abrasive wear	NEMA LD 3-2000	400 Cycles	400 Cycles
Appearance	Presence of visual defects on the decorative surface	WDMA I.S. 1A-2004	Premium 3 ft. Custom 6 ft.	Premium 3 ft. Custom 6 ft.
Scratch Resistance	Measure of the ability of the decorative surface to scratch by diamond tip tool	EN 438 2.14-91	UV - Cured Veneer - 1N HPDL - 1.5 N	3.7 N
Stain Resistance	Measure of the ability of the decorative surface to resist stain when exposed to 15 household products	NEMA LD 3-2000	1-10 No Effect, 11-15 Moderate	1-10 No Effect, 11-15 Slight to Moderate Effect
Cleanability	Measure of the ability of the decorative surface to be cleaned with exposed to 15 different soiling agents	NEMA LD 3-2000	Max. 20	Max. 20
Light Resistance	Measure of the ability of the decorative surface to retain its color when exposed to a light source similar to sunlight	NEMA LD 3-2000	Slight	No to Slight Effect
Impact Resistance	Measure of the maximum height of a steel ball that does not cause fracture of the decorative surface	NEMA LD 3-2000	15 in.	20 in.

For well over 100 years the legacy companies of Masonite Architectural – Algoma™, Baillargeon®, Haring®, Marshfield™, Mohawk®, Graham® and Maiman® – have been building unique capabilities within the architectural wood door industry. Combining experience with knowledge of modern design, we select the finest materials and finishes to create the best solution for any commercial or architectural opening.



Masonite Architectural Mason City  
1502 12th Street NW | Mason City, IA 50401  
Phone +1 (641 423-2444 | Fax: +1 (800 672-8110

---

Masonite Architectural Springfield  
3839 East Mustard Way | Springfield, MO 65803  
Phone: +1 (417 862-0681 | Fax: +1 (417 862-3780

---

[www.MasoniteArchitectural.com](http://www.MasoniteArchitectural.com)

▲ **WARNING:** This product can expose you to chemicals including wood dust, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)