

ARCHITECTURAL PANELS AND VENEER MATCHING

Eggers Industries manufactures architectural panels using custom veneer matching for superior quality and aesthetic standards.



Eggers Industries



Turning nature's beauty into works of art

ARCHITECTURAL PANELING AND VENEER MATCHING

Since 1884, Eggers Industries has been revealing the beauty and grandeur of wood.

Our crafts people, who specialize in architectural plywood, along with our veneer matching capabilities, turn even the most common species of wood into extraordinary works of art.

Eggers manufactures panels to drawing specifications and details. We have the capability and capacity to produce architectural paneling with a wide range of requirements, including:

- Curved panels—36" to 600" radius available
- Flat panel sizes up to 72" wide by 192" long
- Matching doors, conference tops, and furniture components
- Various core constructions
 - Rated
 - Non rated
 - Ecoustics™
- Veneer or lumber banding (concealed or exposed)
- Machining
- Finishing
- Sealing
 - Factory finished panels are sealed on the backs and edges.
- Micro-perf

All Eggers' panels, from wall to ceiling panels, meet the highest performance specifications, including Underwriters Laboratories, Inc.® (UL) Class A or B labels. Our diverse selection of styles and sizes, along with a variety of options, helps you create the perfect space for any project.

Underwriters Laboratories, Inc.® regularly inspects Eggers' manufacturing facilities and approves the application of label to assure proper fire retardant classification.



Characteristics	CORE		
	MDF	Particleboard	Veneer
Thickness	1/4", 1/2", 3/4", 1-1/8" 1-1/4", 1-1/2"	7/16", 3/4", 1-3/16"	1/16" to 1-1/4"
Class A Fire Label on Panel	No	Yes	No
No Added Urea-Formaldehyde	Yes	Yes	Yes
FSC® Certified Panel	Yes	Yes	No
Screw Holding on Face	Better	Good	Best
Screw Holding on Edge	Better	Good	Good
Ease of Edge Machining	Best	Good	Good
Appearance of Edge	Better	Good	Good
Relative Weight	Heavy	Heavy	Light
Core Voids when Cut	No	No	Slight
Strength-to-Weight Ratio	Low	Low	High

Edge Banding

- Matching species to face or various domestic or imported species.
- Lumber bands may be concealed or exposed.
- Veneer banding is applied after laminating and may be from the same flitch as the face for greater similarity of color and grain.
- Veneer banding is applied after face lamination.

Edge Machining

The edge of the panels can be grooved, splined, rabbeted, mitered, or shaped to many profiles.

Finishing

Eggers uses an acrylated UV-cured urethane finish system.

Fire-Rated Labels

- Finished UL labeled Class A panels are constructed with fire-rated particleboard synthetic heat-resistant adhesives, and finishing materials.
- Maximum wood species dry density is 48 pcf.

Adhesives

- Type I
- No added urea-formaldehyde

Industry Standards

- AWS Quality Standards Edition 2, 2014
- Eggers is AWI QCP Certified
- ANSI/HPVA HP-1-2009



SUSTAINABILITY

Eggers Industries offers doors, veneered panels, conference tops and components that are Rainforest Alliance certified to the standards of the Forest Stewardship Council® (FSC®). FSC certified wood products contribute points toward the Leadership in Energy and Environmental Design (LEED®).

Eggers' wide range of finish options is anchored by a UV-cured finish, an environmentally friendly system that meets Architectural Woodwork Standards (AWS) standards for curable finishes. The UV-cured finishing system consists of water-based stains and 100% solid clear coats free of Volatile Organic Compounds (VOC).

EGGERS' PANELS	MR 4: Recycled Content**	MR 7: Certified Wood**	EQ 4.4: Composite Wood, Agrifiber and Adhesives Contain No Added Urea-Formaldehyde***	Total Point Contributions with Eggers' Panels
Particleboard*	2			2
No UF Particleboard*	2		1	3
FSC® Certified / No UF Particleboard	2	1	1	4
MDF	2			2
No UF MDF	2		1	3
FSC Certified / No UF MDF	2	1	1	4
Veneer Core			1	1

* Particleboard available as UL Class A Label.

** Per USGBC guidelines, the value of any content that contributes to MR #4 cannot also be attributed to the MR #7.0 calculation.

*** The product construction is only urea-formaldehyde free if it is ordered as urea-formaldehyde free.

EGGERS STOCK PANELS

Eggers Industries, Plywood Division, meets your needs for quality stock panels in **as fast as five working days** from receipt of order to ship.

Standard Veneer Species¹

Caramel Bamboo
Natural Bamboo
PS White Ash
QD White Ash
PS European Steamed Beech
PS Cherry
QD Cherry
PS Eucalyptus
QD Eucalyptus

VG Douglas Fir
PS Mahogany
QD Mahogany
PS Makore
QD Makore
PS White Maple
QD White Maple
PS Southern Yellow Pine
PS Red Oak

QD Red Oak
Rift Red Oak
PS Teak
QD Teak
PS White Oak
QD White Oak
Rift White Oak
PS Walnut
QD Walnut

Construction

- Eggers standard three-ply construction
- Particleboard
- Fire retardant particleboard
- No added urea-formaldehyde particleboard
- FSC® certified particleboard
- MDF
- Veneer core
- FSC certified MDF

Panel Thickness

1/2", 3/4". Other sizes available upon request.

Quantity

- No minimum
- Quantities greater than 100 may increase lead times

Dimensions

- 4' x 8', 5' x 8', 4' x 10', 5' x 10'
- All panels are oversized
- Cut-to-size are available upon request.

Price

Contact your Eggers' representative for pricing.

Revision to Order

Revisions to orders may result in extending the acknowledged ship date.

Questions

Confirm purchase order with your Account Manager. Submitting purchase orders without complete product details could extend ship dates.

¹ Other species available with increased lead time.



MATCHING VENEER LEAVES WITHIN A PANEL



Running Match

- Each panel face is assembled from as many veneer leaves as necessary.
- Results in a non-symmetrical appearance with some veneer leaves of unequal width.
- Often the most economical method at the expense of aesthetics.



Book Match

- Veneer joints match, creating a symmetrical pattern. Yields maximum continuity of grain.
- Prominent characteristics will ascend or descend across the match.
- Because tight side and loose side face alternate in adjacent leaves, they reflect light and accept stains differently. This may yield a noticeable color variation, termed "Barber Pole." Barber Pole is not considered a defect.
- The effect may be minimized through the use of proper finishing techniques.



Diamond Match



Balance Match

- Each panel face is assembled from veneer leaves of uniform width before edge trimming.
- Panels may contain an even or odd number of leaves and distribution may change from panel to panel within a sequence set.



Slip Match

- Adjoining leaves are slipped out in sequence with all same-face sides exposed.
- The joint may not be noticeable if grain is straight.
- Figure repeats, but grain does not match at joints.
- Produces a uniform color because all faces have a similar light reflection.
- A leaning effect may occur if the specie used does not demonstrate a straight grain.



Box Match



Sunburst



Center Match

- Each panel face is assembled of an even number of veneer leaves of uniform width before edge trimming.
- There is a veneer joint in the center of the panel producing horizontal symmetry.



Reverse Diamond Match

MATCHING FACES BETWEEN PANELS



Blueprint Match

- Architectural grade veneers are matched for continuity of grain and color for various size panels, doors, and transoms.



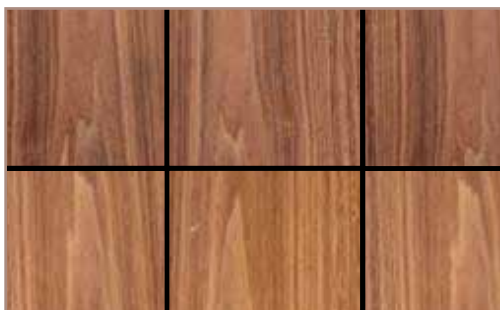
Architectural End Match

- Veneer is book matched end-to-end as well as side-to-side.
- Wood grain is continuous in length as well as width.
- Appropriate when panel height exceeds the veneer length.



Continuous End Match

- Multiple panels end matched for length using a single length of veneer.
- Made as a single panel for length and then cut apart.



Stack End Match

- The panels are sequenced left to right, starting with the bottom row.
- Leaf width is maintained vertically between rows.



Sequence Match

- All panels are uniform length.
- Architectural grade veneers are matched for color and all panels of the same size will have continuity of grain.
- Other size panels must be cut during installation which may interrupt grain continuity.



Eggers Industries

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Door Frames, Plywood,
Veneered Components**

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eiDoor®**

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**Architectural Veneer Faces,
Custom Wood Products,
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Eggers releases regular product updates. Please visit www.eggersondustries.com for the most current and accurate technical information. Specification details published online supersede those in print.

The FSC certification ensures responsible use of forest products. 301-08-15

Look for FSC certified products.



The mark of
responsible forestry

