

ARCHITECTURAL PANELS AND VENEER MATCHING

Eggers manufactures architectural panels with 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 craftsmen 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:

- Preformed radius or curved panels
- Sizes up to 76" wide by 192" long
- Matching doors, conference tops and furniture components
- Veneer or lumber banding
- Machining
- Finishing
- Fire-retardant labels
- Various core constructions



VENEER SPECIES AND CUTS

Eggers Industries is known for its comprehensive selection of beautiful veneer species, both exotic and domestic. We assemble our own veneer faces to give you full control. Veneer species available include, but are not limited to:

Anigre	Ash	Avodire	Bamboo	Beech	Birch
Bird's Eye Maple	Bubinga	Burls	Butternut	Cherry	Chestnut
Ebony	Eucalyptus	Hickory	Jatoba	Koa	Lacewood
Laurel	Lyptus	Mahogany	Makore	Maple	Movingue
Mozambique	Oak	Padauk	Pearwood	Poplar	Prima Vera
Red Gum	Rosewood	Sapele	Sassandra	Satinwood	Sycamore
Teak	VG Fir	Walnut	Zebrawood		

EGGERS' PANELS	MR 4: Recycled Content**	MR 6: Rapidly Renewable Materials	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™/No UF Particleboard	2		1	1	4
MDF	2			1	3
No UF MDF	2			1	3
FSC™/No UF MDF	2		1	1	4
Agrifiber	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.

SUSTAINABILITY

Eggers Industries offers doors, veneered panels, conference tops and components that are certified by the SmartWood program. This independent, third-party forestry certification program of the Rainforest Alliance is accredited by the Forest Stewardship Council (FSC). FSC certified wood products contribute points toward the Leadership in Energy and Environmental Design (LEED) and Green Globes programs.

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

EGGERS PANELS

All Eggers panels, from wall and ceiling to elevator panels, meet the highest safety specifications, including UL Class I or II labels on pre-finished wood panels. Whether you're in a majestic boardroom or the tight confines of an elevator cab, our finely crafted and exquisitely matched panels lift moods and minds to higher levels.

Architect/Engineer Specifications

For the Underwriters Laboratory label, panels must be factory finished. Panels bearing the UL label should show a flame spread of 25, as manufactured by Eggers Industries.

Species

All species with a dry density of 48.0 pcf or less will be labeled as Class I. Density is measured at 12% moisture content.

Sealing

Sealing of backs and edges is always recommended.

Flame Spread Test

Flame spread ratings are assigned by Underwriters Laboratories, Inc.® on the basis of ASTM E-84 tunnel tests. Flame spread is a distance and time relationship with the performance of cement asbestos being 0 and untreated Red Oak at 100. Plywood is rated in comparison to these two materials.

Most codes subdivide the ratings into four classes.

- **Class Flame Spread**
I or A: 0-25
II or B: 26-75
III or C: 76-200
IV or D: 201-500

Class III and IV requirements can normally be met using untreated plywood constructions. Eggers does not label or certify these classifications.

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

- **Substitution**
Lower flame spread ratings may always be substituted for higher ratings. Example: If the specification requires a Class II rating, a Class I rated panel may be substituted at no additional cost.



ENGINEERING SPECIFICATIONS			CORE
Characteristics	Veneer	Particleboard	MDF
Thickness in Inches	1/16" to 1-1/4"	7/16" to 1-9/16"	3/16" to 1-1/2"
Class I Fire Label on Panel	No	Yes	No
Urea-Formaldehyde Free	Yes	Yes	Yes
FSC Certified Panel	No	Yes	Yes
Relative Flatness & Stability	Low	High	High
Screw Holding on Face	Best	Good	Better
Screw Holding on Edge	Good	Good	Better
Ease of Edge Machining	Good	Good	Best
Appearance of Edge	Good	Good	Better
Relative Weight	Light	Heavy	Heavy
Core Voids when Cut	Slight	No	No
Strength-to-Weight Ratio	High	Low	Low

Edge Banding

- Banded with lumber or veneer in matching species to face, or any species of your choice.
- Lumber bands may be attached prior to or after laminating the face and back.
- Veneer banding is applied after laminating and may be from the same flitch as the face for greater similarity of color and grain.

Edge Machining

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

Label Finishes

Eggers is authorized to finish products using an acrylated UV-cured urethane system or a conversion varnish finishing system.

Fire-Rated Labels

- Fire retardant particleboard panels meet Class I fire code requirements.
- Finished particleboard panels with UL labels are constructed with fire retardant particleboard treated with compatible chemicals, modern synthetic heat-resistant adhesives and special finishing materials.
- Available with no added urea-formaldehyde.

Adhesives

- Type I and Type II glues are standard.
- No added urea-formaldehyde available.

Industry Standards

- AWS Quality Standards Edition 1
Eggers is an AWI QCP Certified Manufacturer.
- ANSI/HPVA HP-1-2004.

Expedited Lead Times

- Available upon request.

MATCHING FACES WITHIN A PANEL



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.



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.



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.



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.



Diamond Match



Sunburst

MATCHING FACES BETWEEN PANELS



Blueprint Match

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



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.



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.



**Stile & Rail Doors,
Door Frames, Plywood
Veneered Components**

Two Rivers Division
One Eggers Drive
Two Rivers, WI 54241
Phone: 920.793.1351
Fax: 920.793.2958

www.eggersindustries.com email: sales@eggersindustries.com

Eggers releases regular product updates. Please visit www.eggersindustries.com for the most current and accurate technical information. Specification details published online supercede those in print.

The FSC certification ensures responsible use of forest products.
© 1996 Forest Stewardship Council A. C. SW-COC-000729 301-08-10
Ask us for FSC certified products

