

Flat Laminates

by OMNOVA Solutions

WINDOW AND DOOR PROFILES

A Design and Performance Solution for Windows and Doors

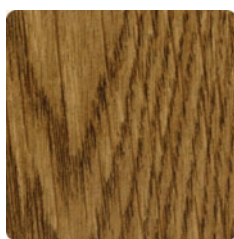
OMNOVA Solutions introduces a new line of Flat Laminates designed specifically for the interior door and window profile market. The line consists of four stock woodgrain patterns that are carefully designed and crafted for a realistic, natural appearance that compliments today's interior woods and wood products. Their long-lasting durability, proven performance and comparative lower cost make them a welcome alternative to natural woods.

A two-ply PVC construction provides both long-lasting beauty and durability. The pattern is printed on the bottom layer, while a top layer protects the printed pattern from everyday wear and tear.

Applications

Interior Door and Window Profiles

Stock Products



831910 Hillside Oak



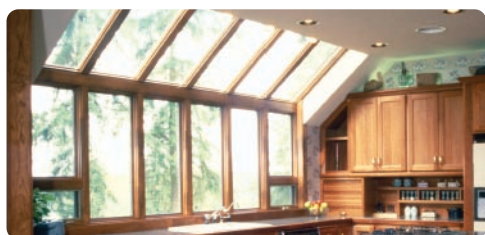
831920 Cavalier Oak



831930 Natural Oak



831940 Colonial Cherry



Benefits

DURABILITY

A two-ply PVC construction provides maximum water holdout. Plus, the transparent top layer protects the pattern imprint against everyday wear and tear, while also providing an additional level of abrasion and scratch resistance for a longer-lasting appearance.

NATURAL APPEARANCE

Patterns are carefully designed and crafted for a realistic and natural woodgrain appearance to provide a low-cost alternative to natural wood products.

EASY MAINTENANCE

No special care required. Easy clean-up with just soap and water.

QUALITY CRAFTSMANSHIP

Superior print fidelity is possible through an online print registration system. Automated ink mixing and dispensing system enables color consistency from lot to lot.

QUICK AVAILABILITY

Four woodgrain patterns are maintained as STOCK items for immediate shipment – typically within two business days. An expanded selection of custom patterns can also be produced and shipped in as little as four weeks. An alternative to the long leadtimes associated with off-shore sourcing, our domestic manufacturing can help shorten product development cycle times.

TECHNICAL SPECS

Flat Laminates by OMNOVA Solutions

WINDOW AND DOOR PROFILE

DIMENSIONS

Construction.....	Two-Ply Uncoated
Standard Width.....	51"
Film Thickness.....	.7 mil (0.007")
Stock Roll Length (Linear Yards).....	450
Gloss Range (dependent on embossing roll).....	5 - 20 Gardner gloss

PHYSICAL PROPERTIES

	Procedure	Typical Value
Surface Energy	LAB031	32 dynes
Flexibility at 40° F	LAB029	
Film Break		No
Crease White		No
QUV 351 at 500 hours	LAB062	~ 1.0 DE, dependent on color and print
Gloss	Visual	Match to customer standard
Color	Visual	Match to customer standard
Shrinkage, 10 minutes at 100° C	LAB007	≤ 5.0%

STAIN RESISTANCE

(LD 3.4 2000)

Test Material

Test Material	Cleaning Steps Stain Resistance	
	Laminate Construction	
	Two-ply	
Distilled Water	0	N
Ethyl Alcohol / Water (50:50)	0	N
Acetone	5	S
Household Ammonia	0	N
Citric Acid 10%	0	N
Vegetable Oil	0	N
Coffee	2	N
Tea	2	N
Tomato Ketchup	2	N
Mustard	3	N
10% Iodine	3	M
Supermarket Stamp Ink	2	M
#2 Pencil	2	N
Wax Crayon	2	N
Shoe Polish	2	M

Total Cleaning Score

25

Actual results may vary depending on color – lighter shades are more susceptible to staining. Additional constructions available upon request.

Cleaning Steps

See NEMA LD3 2000 for full description.

0 = Removed with water.

1 = 25 cycles spray cleaner or sponge.

2 = 25 cycles baking soda plus spray cleaner on brush.

3 = Acetone and cotton ball.

4 = Bleach plus cotton ball.

5 = Not Removed.

Stain Resistance

See NEMA LD3 2000 for full description.

N = No Effect.

M = Moderate Effect. Difficult to perceive stain.

S = Severe Effect. Easily perceive stain or damage to surface.

Though our laminates can be used in many applications, it is important for customers to select a laminate with durability and other performance attributes that match the requirements of the specific end-use application – not all laminates are suitable for all applications. Laminates used on exposed or horizontal surfaces of a product, for example, often require more durability than interior vertical surfaces. Customers should consider the OMNOVA Laminates Technical Specifications, processing requirements, the specific end-use environment and other application-specific factors when selecting appropriate laminates.

For the latest designs, more information, or to order, contact OMNOVA Solutions:

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