

## Flat Laminates by OMNOVA Solutions

Flat Laminates by OMNOVA Solutions are flexible and versatile vinyl surfacing products suitable in a wide variety of decorative and functional applications. They can be flat-laminated or profile-wrapped to wood substrates.

Flat Laminates are scratch, abrasion, and stain resistant. High performance coating provides an added degree of protection, durability and easy clean-up when compared to paper laminates and painted surface treatments. We offer a wide selection of patterns and designs. Custom color, design, coatings and constructions are also available.

### Applications

- Internal / External Cabinet Surfaces
- Vertical / Horizontal Cabinet Surfaces
- Shelving
- Molding and Framing
- Ceiling and Wall Panels
- Flooring

### Benefits

#### **DURABILITY**

Extra level of abrasion and scratch resistance to maintain that “like new” appearance.

#### **CLEANABILITY**

Easy clean-up – usually with just soap and water. High performance coating prevents staining from common substances.

#### **CUSTOMIZABLE**

You can vary colors, designs and embossings to quickly and easily create unique or differentiated products. You can also achieve various functional and decorative effects by choosing from several performance coatings. To help you, OMNOVA offers our experienced, full service approach to custom design and production.

#### **QUICK AVAILABILITY**

A large selection of STOCK products are available in low minimum order quantities and are typically available for shipment within two business days. Custom products can be available in as little as four weeks. Domestic production eliminates the long lead time caused by off-shore supply and helps reduce product development cycle times.

#### **TECHNICAL EXPERTISE**

Our experienced associates can provide technical product information to assist you in your laminate selection. In addition, OMNOVA offers field technical support to aid process start-up and troubleshooting.

#### **SOLUTIONS FOR DOORS AND WINDOWS**

In addition, OMNOVA offers a line of Flat Laminates designed specifically for the interior door and window profile market. The line consists of a number of woodgrain patterns that are carefully designed and crafted for a realistic, natural appearance that complements today’s interior woods and wood products (see our [Door and Window Profiles Product Bulletin](#) for additional information).

## Flat Laminates by OMNOVA Solutions

### DIMENSIONS

Standard Film Widths	50" and 62"
Tolerance	+/- 0.125"
Film Thickness	5 - 12 mil (0.005" - 0.012")
Tolerance	+/- 5.0%
Roll Lengths (Linear Yards)	375, 450, 500 and 600

### HOFFMAN SCRATCH

Laminate Construction	Value (g)
Embossed	1850
Embossed Metallic	1500
Top Print (2-ply)	2000

Actual results will vary dependent on construction, topcoating, and embossing. Additional constructions available upon request.

### STAIN RESISTANCE

(LD 3.4 2000)

Test Material	Cleaning Steps   Stain Resistance					
	Laminate Construction					
	Embossed		Embossed Metallic		Top Print (2-ply)	
Distilled Water	0	N	0	N	0	N
Ethyl Alcohol / Water (50:50)	0	N	0	N	0	N
Acetone	5	M	5	S	5	S
Household Ammonia	0	N	0	N	0	N
Citric Acid 10%	0	N	0	N	0	N
Vegetable Oil	0	N	0	N	0	N
Coffee	0	N	0	N	3	N
Tea	0	N	0	N	1	N
Tomato Ketchup	0	N	0	N	3	N
Mustard	3	N	5	S	3	N
10% Iodine	5	M	3	S	5	M
Supermarket Stamp Ink	3	N	0	N	5	M
#2 Pencil	3	N	3	N	2	N
Wax Crayon	3	N	2	N	2	N
Shoe Polish	5	M	5	S	5	M
<b>Total Cleaning Score</b>	<b>27</b>		<b>23</b>		<b>34</b>	

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:

866.332.5226  
 laminates@omnova.com  
 www.omnova.com/laminates