

Eco-friendly, 3D Laminates with non-PVC construction

EFX 3D Laminates by OMNOVA Solutions are a new environmentally preferred surfacing alternative to traditional 3D Laminates. **EFX** 3D Laminates exhibit the same functional and decorative characteristics as OMNOVA's **surf(x)**® 3D Laminates and can be membrane-pressed or vacuum-formed to contoured surface profiles. Their dimensional flexibility eliminates the need for T-molding, edge banding, visible seams and special edge treatments.

Applications

- Cabinet doors
- Drawer fronts
- Desks
- Furniture components
- Store and display fixtures
- Exterior furniture and surfaces
- Counters and shelving

Benefits

STRONG ENVIRONMENTAL PROFILE

- Non-PVC construction.
- No plasticizers.
- No phthalates.
- Do not contain lead.
- Comply with Consumer Product Safety Improvement Act of 2008 for use in fabrication of products for infants and children.

DIMENSIONAL FLEXIBILITY

EFX 3D Laminates easily conform to three-dimensional surfaces to provide an attractive, seamless appearance. Dimensional flexibility eliminates the need for T-molding, edgebanding, visible seams and special edge treatments while offering the designer more freedom for creative shapes and sizes.

INCREASED DURABILITY

EFX 3D Laminates feature our highest level of durability and increased resistance to impact, abrasion, marring and scratching.

CLEANABILITY

- Easy clean-up – usually with just soap and water.
- Increased stain resistance compared to **surf(x)** 3D Laminates.

TECHNICAL CAPABILITY

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.

AVAILABILITY

- Four solid colors are available in STOCK and are available in low minimum order quantities for shipment typically within two business days.
- Additional solid colors are available as MAKE-TO-ORDER and are not maintained in inventory.

TECHNICAL SPECS



EFX™ 3D Laminates by OMNOVA Solutions

PRODUCT INFORMATION

Usable Film Widths 53" (± 0.5")
 Film Thickness 10 mil (± 0.5%)
 Roll Length 50 & 250 linear yards

TYPICAL PROPERTIES

Test Name	Value
Hoffman Scratch Resistance	1400 g
Hoffman Paper Clip	1300 g
Burnish (10 Wipes)	None/Slight
NEMA Wear	3600 cycles
NEMA Cleanability	10 (see below)
NEMA Ball Impact	>3000 mm

NEMA STAIN RESISTANCE RESULTS

Test Material	Cleaning Steps						Score	Stain Resistance
	0	1	2	3	4	5		
Distilled Water	-	-	-	-	-	-	0	N
Ethyl Alcohol / Water (50:50)	-	-	-	-	-	-	0	N
Acetone	1	1	1	1	1	-	5	M
Household Ammonia	-	-	-	-	-	-	0	N
Citric Acid 10%	-	-	-	-	-	-	0	N
Vegetable Oil	-	-	-	-	-	-	0	N
Coffee	-	-	-	-	-	-	0	N
Tea	-	-	-	-	-	-	0	N
Tomato Ketchup	-	-	-	-	-	-	0	N
Mustard	-	-	-	-	-	-	0	N
10% Iodine	-	-	-	-	-	-	0	N
Black Permanent Marker	-	-	-	-	-	-	0	N
#2 Pencil	1	-	-	-	-	-	1	N
Wax Crayon	1	1	-	-	-	-	2	N
Black Shoe Polish	1	1	-	-	-	-	2	N
Total 10								

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, all laminates are sold with the understanding that customers will make their own independent determination whether a particular laminate has the durability and other performance attributes required for the specific end use laminate application – not all laminates are suitable for all applications.

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

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

OMNOVA Solutions Inc. • 175 Ghent Road • Fairlawn, OH 44333
 Telephone: 330-869-4200 • www.omnova.com

EFX is a trademark of, and SURF(X) is a registered trademark of, OMNOVA Solutions Inc.

ALL OMNOVA PRODUCTS AND SERVICES ARE OFFERED AND SOLD SUBJECT TO THE OMNOVA STANDARD TERMS AND CONDITIONS OF SALE AGREEMENT SET FORTH AT WWW.OMNOVA.COM

© 2010 OMNOVA Solutions Inc. DLMKT0901. Rev. 01/10

