

OVERLAMINATE

FILMS PORTFOLIO



Overlaminates that enhance overall graphic depth while protecting printed materials from UV radiation, environmental elements, moisture and abrasion.

Overlaminates

Calendered vinyl, polycarbonate, polyester, and polyolefin options available to fit your specific application - **Laminate to similar substrates for the best results*

Choose from a range of finishes, including matte, gloss, luster, velvet, optically clear or textured options, to achieve the perfect blend of aesthetics and functionality

High-performing, permanent pressure-activated adhesives engineered to prevent common flaws in the laminating process like silvering, orange peeling and delamination

Excellent performance on flat or simply curved application surfaces

Unique options also available – UL 410 slip resistance and dry erase



NEW NextBond® UV-cured, durable adhesive presents a robust, price effective, and eco-friendly alternative to traditional solvent-based adhesive for a long-term bond.



This logo represents Nekoosa's commitment to offering sustainable alternatives to traditional PVC materials. We're happy to offer PVC-Free options in this product line.

Applications

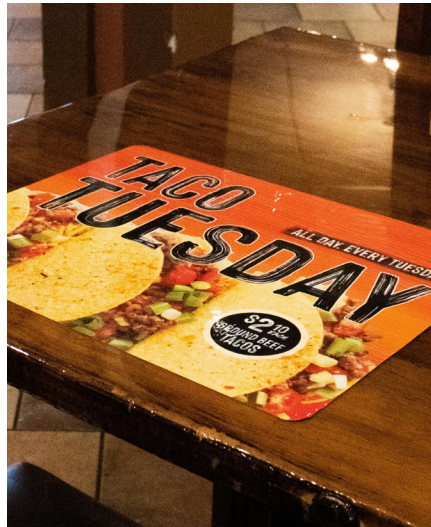
- Flat & Simple Curves
- Printed Graphics
- Point-of-Purchase Displays
- Wall Graphics
- Window Graphics
- Floor Graphics
- Exhibits
- Trade Show Graphics
- Transit
- Displays
- Dry Erase Graphics
- Counter Mats
- Photographic Prints
- In-Store Signage

SCAN HERE FOR
FREE SAMPLES ▶



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STOCKED PRODUCTS ▶

	Finish/Color	SKU #	UV Protection	Size	Film Thickness	Adhesive	Liner
Calendered Vinyl Overlaminates Films							
Luster Clear		LM3LL5450 ●	•	54" x 50 yd	3.2 mil	Permanent	78# Paper
		LM3LL6050	•	60" x 50 yd			
Matte Clear		LM3MCL5450 ●	•	54" x 50 yd	3.2 mil	Permanent	78# Paper
		LM3MCL6050	•	60" x 50 yd			
Gloss Clear		LM3CL5450 ●	•	54" x 50 yd	3.2 mil	Permanent	78# Paper
		LM3CL6050	•	60" x 50 yd			
Gloss Optically Clear*		LM4CL5450	•	54" x 50 yd	4 mil	Permanent	PET
Embossed Clear*		LM6CE5450	•	54" x 50 yd	6 mil Semi-Rigid	Permanent	PET

*LM4CL and LM6CE are UL 410 certified and suitable for interior floor graphics.

Polycarbonate Overlaminates Films							
Velvet Matte		5044550LM	•	51" x 50 yd	3 mil	Non-Yellowing Permanent Solvent	PET
		5044552LM	•	51" x 50 yd	5 mil	Non-Yellowing Permanent Solvent	PET
		5044553LM	•	51" x 50 yd	10 mil	Non-Yellowing Permanent Solvent	PET

Polyester Overlaminates Films							
Optically Clear		LM2CL5450		54" x 50 yd	2 mil	Permanent	PET
Optically Clear Dry Erase		LM1DE5450		54" x 50 yd	1 mil	Permanent	PET
		LM1DE6050		60" x 50 yd			

Polyolefin Overlaminates Film							
Embossed Clear		LMPP5450		54" x 50 yd	3 mil	Permanent	PET

*LMPP5450 is UL410 certified and suitable for interior floor graphics

	Finish/Color	SKU #	UV Protection	Size	Film Thickness	Adhesive	Liner
NextBond® - UV Cured, Long Term Durable Adhesive							
	Matte Vinyl	UVLM3MCL5450 ●	•	54" x 50 yd	3.2 mil PVC	Permanent	1.2 mil PET
	Luster Vinyl	UVLM3LL5450 ●	•	54" x 50 yd	3.2 mil PVC	Permanent	1.2 mil PET
	Gloss Vinyl	UVLM3CL5450 ●	•	54" x 50 yd	3.2 mil PVC	Permanent	1.2 mil PET
	Optically Clear PET	UVLM1CL5450 ●	•	54" x 50 yd	1 mil PET	Permanent	1.2 mil PET

NEKOOSA BUCKS
available in select rolls listed above.

= PVC-Free **UL LISTED**

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CUSTOM SIZE OFFERING ▶


Finish/Color	SKU #	UV Protection	Size	Film Thickness	Adhesive	Liner	Wgt per MSI
Calendered Vinyl Overlaminates Films							
Luster Clear	LM3LL	•	54"/60"	3.2 mil	Permanent	78#	.41#
Matte Clear	LM3MCL	•	54"/60"	3.2 mil	Permanent	78#	.41#
Gloss Clear	LM3CL	•	60"	3.2 mil	Permanent	78#	.41#
Gloss Clear	LM4CL*	•	54"	4 mil	Permanent	PET	.30#
Embossed Clear	LM6CE*		54"	6 mil Semi-Rigid	Permanent	PET	.44#

*LM4CL and LM6CE are UL 410 certified and suitable for interior floor graphics.

Polyester Overlaminates Films							
Gloss Clear	LM1CL		54"	1 mil	Permanent	PET	.25#
	LM2CL		54"	2 mil	Permanent	PET	.25#

Polyolefin Overlaminates Film							
Embossed Clear	LMPP		54" x 50 yd	3 mil	Permanent	PET	.21#

*LMPP5450 is UL410 certified and suitable for interior floor graphics.

Finish/Color	SKU #	UV Protection	Size	Film Thickness	Adhesive	Liner	Wgt per MSI	
NextBond® - UV Cured, Long Term Durable Adhesive								
	Matte Vinyl	UVLM3MCL5450	•	54"	3.2 mil PVC	Permanent	1.2 mil PET	.24#
	Luster Vinyl	UVLM3LL5450	•	54"	3.2 mil PVC	Permanent	1.2 mil PET	.24#
	Gloss Vinyl	UVLM3CL5450	•	54"	3.2 mil PVC	Permanent	1.2 mil PET	.24#
	Optically Clear PET	UVLM1CL5450		54"	1 mil PET	Permanent	1.2 mil PET	.14#

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TECHNICAL DATA ▶

Grade ▶	LM3LL	LM3MCL	LM3CL	LM4CL	LM6CE	▶ PC 3 mil	
Physical Properties							
Finish	Semi-Gloss	Matte	Gloss	Gloss	Textured	Velvet Matte	
Color	Clear	Clear	Clear	Clear	Clear	Clear	
Adhesive	Permanent - P22	Permanent - P22	Permanent - P22	Permanent - P92	Permanent - P92	Non-Yellowing Permanent Solvent	
Film	Calendered Vinyl	Calendered Vinyl	Calendered Vinyl	Calendered Vinyl	Embossed Rigid Vinyl	Clear Polycarbonate	
Liner	78# Release Liner	78# Release Liner	78# Release Liner	1.5 Clear PET	1.5 Clear PET	PET Liner	
Opacity	20% Maximum	20% Maximum	20% Maximum	20% Maximum	20% Maximum	12-18%	
Gloss Level	40-60%	8% Typical	75% Minimum	75% Minimum	12% Typical	9-12% Typical	
Thickness	Film	3.0 ± 0.2 mil	5.5 ± 0.2 mil	3.0 ± 0.2 mil	3.0 ± 0.2 mil	5.75 ± 0.2 mil	3.0 ± 0.2 mil
	Film + Adhesive	4.0 ± 0.2 mil	6.2 ± 0.2 mil	4.0 ± 0.2 mil	4.0 ± 0.2 mil	6.7 ± 0.2 mil	4.5 ± 0.2 mil
	Total Thickness	8.5 ± 0.4 mil	12.5 ± 0.4 mil	8.5 ± 0.4 mil	5.5 ± 0.4 mil	8.75 ± 0.4 mil	7.5 ± 0.4 mil
Adhesion	SS 15 min Room Temp Dwell	65 oz/in minimum	65 oz/in minimum	65 oz/in minimum	65 oz/in minimum	65 oz/in minimum	70 oz/in minimum
	SS 24 hr Room Temp Dwell	75 oz/in minimum	75 oz/in minimum	75 oz/in minimum	75 oz/in minimum	100 oz/in minimum	87 oz/in minimum
Fire Rating	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	

Grade ▶	▶ PC 5 mil	▶ PC 10 mil	▶ LM1CL	▶ LM2CL	▶ LM1DE	▶ LMPP	
Physical Properties							
Finish	Velvet Matte	Velvet Matte	Gloss	Gloss	Gloss	Embossed	
Color	Clear	Clear	Clear	Clear	Clear	Clear	
Adhesive	Non-Yellowing Permanent Solvent	Non-Yellowing Permanent Solvent	Permanent - P92	Permanent - P92	Permanent	Permanent	
Film	Clear Polycarbonate	Clear Polycarbonate	Optically Clear Polyester	Optically Clear Polyester	Optically Clear Polyester	Clear Polyolefin	
Liner	PET Liner	PET Liner	1.5 Clear PET	1.5 Clear PET	1.2 Clear PET	1.5 Clear PET	
Opacity	12-18%	12-18%	2% Typical	2% Typical	2% Typical	18% Maximum	
Gloss Level	9-12% Typical	9-12% Typical	Clear Polyester	Clear Polyester	Clear Polyester	18% Typical	
Thickness	Film	5.0 ± 0.2 mil	10 ± 0.2 mil	1.0 ± 0.2 mil	1.0 ± 0.2 mil	3.0 ± 0.2 mil	
	Film + Adhesive	6.5 ± 0.2 mil	12 ± 0.2 mil	2.0 ± 0.2 mil	3.0 ± 0.2 mil	2.0 ± 0.2 mil	4.2 ± 0.2 mil
	Total Thickness	8.0 ± 0.4 mil	13.5 ± 0.2 mil	3.5 ± 0.4 mil	4.5 ± 0.4 mil	3.2 ± 0.4 mil	5.6 ± 0.4 mil
Adhesion	SS 15 min Room Temp Dwell	70 oz/in minimum	70 oz/in minimum	40 oz/in minimum	40 oz/in minimum	45 oz/in minimum	65 oz/in minimum
	SS 24 hr Room Temp Dwell	87 oz/in minimum	87 oz/in minimum	50 oz/in minimum	50 oz/in minimum	60 oz/in minimum	75 oz/in minimum
Fire Rating	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	ASTM E84 Class 1 or A	-	

Grade ▶	UVLM3LL	UVLM3MCL	UVLM3CL	▶ UVLM1CL
Physical Properties				
Finish	Luster	Matte	Gloss	Gloss
Color	Clear	Clear	Clear	Clear
Adhesive	UV-Cured High-Tack, Permanent Clear	UV-Cured High-Tack, Permanent Clear	UV-Cured High-Tack, Permanent Clear	UV-Cured High-Tack, Permanent Clear
Film	3.2 mil Premium Calendered Vinyl	3.2 mil Premium Calendered Vinyl	3.2 mil Premium Calendered Vinyl	1.0 mil Optically Clear Polyester
Liner	1.2 mil PET	1.2 mil PET	1.2 mil PET	1.2 mil PET
Opacity	10% Maximum	10% Maximum	10% Maximum	10% Maximum
Gloss Level	35% to 45%	10% Maximum	60% Maximum	120% Maximum
Thickness	Film	3.2 ± 0.2 mil	3.2 ± 0.2 mil	0.9 ± 0.1 mil
	Film + Adhesive	4.2 ± 0.4 mil	4.2 ± 0.4 mil	1.9 ± 0.3 mil
	Total Thickness	5.4 ± 0.5 mil	5.4 ± 0.5 mil	5.4 ± 0.5 mil
Adhesion	SS 15 min Room Temp Dwell	88 oz/in typical	88 oz/in typical	88 oz/in typical
	SS 24 hr Room Temp Dwell	118 oz/in typical	118 oz/in typical	118 oz/in typical

*LM4CL, LM6CE, LMPP are UL410 slip resistant certified and only suitable for interior floor graphics.

 = PVC-Free

The information provided herein is correct to the best of Nekoosa's knowledge. No liability for any errors, facts or opinions are accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted.

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TECHNICAL DATA ▶

Material ▶	Calendered Vinyl	Polycarbonate	Polyester	Polyester Dry-Erase
Conditions for Use				
Shelf Life	1 year	1 year	1 year	1 year
Outdoor Durability	Up to 4 years*	Up to 2 years	Not recommended for outdoor use	Not recommended for outdoor use
Min Application Temperature	40° F (4° C)	20° F (-7° C)	40° F (4° C)	50° F (10° C)
Service Temperature Range	-20° to 150° F (-29° to 66° C)	0° to 200° F (-18° to 93° C)	-20° to 225° F (-29° to 107° C)	-40° to 248° F (-40° to 120° C)
			If laminated over vinyl films -20° to 150° F (-29° to 66° C)	
Solvent/Chemical Resistance	Good for most petroleum solvents and lower aliphatic alcohols. For ultimate solvent resistance, edge sealing is recommended	Excellent	Good for most petroleum solvents and lower aliphatic alcohols. For ultimate solvent resistance, edge sealing is recommended	Resistant to: industrial window cleaner, isopropyl alcohol, hand sanitizer, household ammonia, oven cleaner
Water Resistance	Excellent	Excellent	Excellent	Excellent

Material ▶	Polyolefin	Calendered Vinyl w/NextBond®	Polyester w/NextBond®
Conditions for Use			
Shelf Life	1 year	1 year	1 year
Outdoor Durability	Not recommended for outdoor use	5 years	5 years
Min Application Temperature	40° F (4° C)	35° F (1.6° C)	35° F (1.6° C)
Service Temperature Range	-20° to 150° F (-29° to 66° C)	-40° to 180° F (-40° to 82° C)	-40° to 180° F (-40° to 82° C)
Solvent/Chemical Resistance	Good for most petroleum solvents and lower aliphatic alcohols. For ultimate solvent resistance, edge sealing is recommended	Excellent	Excellent
Water Resistance	Good	Excellent	Excellent

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