

OVERLAMINATE

FILMS PORTFOLIO



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

Overlaminates

Pressure activated high performance permanent adhesive

Excellent performance on flat or simple curves

Easy to finish – die cut or flatbed

Laminate to a similar substrate for best results



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.

Calendered Vinyl *Improved Performance*

3.2 mil gloss, matte and luster finishes rated for <4 years of outdoor use

Enhanced UV protection

78# paper liner for improved wet out

Versatile, great for everyday use – keep a roll on your floor!



Polycarbonate *Formerly RTape Eclipse™*

3, 5 and 10 mil velvet matte finish rated for <2 years of outdoor use

Clear non-yellowing permanent solvent adhesive for brilliant clarity

Clear PET film liner keeps adhesive smooth – prevents orange peel

Eliminates the reflection of overhead lights for glare-free viewing

Commonly used for rolled trade show graphics and displays

Calendered Vinyl *UL-410 Slip Resistance Certified Floor Graphic Overlaminate*

4 mil clear double polished and 6 mil semi-rigid clear embossed options available

Clear PET film liner keeps adhesive smooth – prevents orange peel

Graphic withstand normal floor maintenance and cleaning

Suitable for indoor short term floor graphics for <6 months



Polyester

Optically clear finish rated for <4 years of indoor use

Clear PET film liner keeps adhesive smooth – prevents orange peel

Dry erase option available

NEW Polyolefin

3 mil embossed PVC-Free polyolefin textured overlaminate film with a 1.5 mil clear PET liner

Suitable for interior short-term graphics for up to 6 months

UL 410 slip resistant

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



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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		LM1DE5450		54" x 50 yd	1 mil	Permanent	PET
Dry Erase		LM1DE6050		60" x 50 yd			

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

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= PVC-Free



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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#

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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#

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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	12-18%	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 w/ 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 w/ Adhesive	6.5 ± 0.2 mil	12 ± 0.2 mil	2.0 ± 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	-	

Material ▶	Calendered Overlams	▶ Polycarbonate Overlams	▶ Polyester Overlams	▶ Polyester Dry-Erase Overlam	▶ Polyolefin Overlam
Conditions for Use					
Shelf Life	1 year	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	Not recommended for outdoor use
Min Application Temp	40° F (4° C)	20° F (-7° C)	40° F (4° C)	50° F (10° C)	40° F (4° C)
Service Temp 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)	-20° to 150° F (-29° to 66° 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	Good for most petroleum solvents and lower aliphatic alcohols. For ultimate solvent resistance, edge sealing is recommended
Water Resistance	Excellent	Excellent	Excellent	Excellent	Good

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



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