

GraphicShield™ PRODUCT APPLICATION GUIDE

UV GLOSS 1.7MIL, 3 MIL, 5 MIL, 10 MIL & 15 MIL LOW-MELT THERMAL LAMINATING FILMS

GraphicShield™ UV GLOSS low-melt thermal laminating films are engineered with UV inhibitors to reduce graphic fade and protect against moisture. They feature adhesives that enhance clarity by sealing at 185° F. The low sealing temperature helps preserve inks in digitally printed graphics, which can deteriorate at high temperatures. **UV GLOSS** low-melt thermal laminating films are ideal for protecting posters, wide-format digital prints, photographic prints and display applications when an extra-glossy finish is desired.

PHYSICAL PROPERTIES

	1.7 MIL	3 MIL	5 MIL	10 MIL	15 MIL	
Total Caliper:	1.7 mils	3.0 mils	5.0 mils	10 mils	15 mils	
Film:	Polyester	.5 mils	1.0 mils	2.0 mils	7.0 mils	7.0 mils
Adhesive:	Copolymer Extrusion	1.2 mils	2.0 mils	3.0 mils	3.0 mils	8.0 mils
UVA Protection	85%	85%	85%	85%	85%	85%
UVB Protection	100%	100%	100%	100%	100%	100%
Shelf Life:	2 years when stored under cool, dry conditions					

APPLICATION GUIDELINES

Application: It is recommended to use a laminator when applying **GraphicShield™ UV GLOSS** low-melt thermal laminating films to imaged media or the surface of a mounting substrate. A laminator will reduce the chance of wrinkles and air bubbles during application. Make sure the lamination area is clean and free from dirt or dust. **Always pretest your specific application prior to actual use.**

Outdoor and Indoor Use: **UV GLOSS** low-melt thermal laminating films can be used for indoor and outdoor applications. They should be applied at minimum air and surface temperatures of 50° F.

Water Resistance: **UV GLOSS** low-melt thermal laminating films will not give water resistance unless the material to be laminated is non-porous or completely encapsulated. If water migrates under the laminate, ink bleeding may occur.

Material Handling & Storage: Roll imaged media onto a core until ready for posting. Folding of the material is not recommended. Material should be stored at 72° F (+/-5°) for no more than 2 years to obtain maximum adhesion values. After use, the roll should be stored in its original packaging in the poly bag.

Heat Seal Temp	185° to 195° F
Dwell	0.5 sec
Pressure	40 psi
Recommended Speed	3 to 7 fpm
Usable Temp Range	195° to 245° F
Outdoor Durability:	2 years
Chemical Resistance:	Water, mild acids, salt, alkalis, petroleum based greases, oils and aliphatic solvents

FINISHING RECOMMENDATIONS

Surface Preparation: Ensure that the receiving substrate is completely dried before **GraphicShield™ UV GLOSS** low-melt thermal laminating films are applied. If inks are not dry, the adhesion of the laminate can be adversely affected; outgassing may also occur, causing bubbles to form under the laminate.

Recommended Surfaces: **UV GLOSS** low-melt thermal laminating films can be applied to imaged media or a substrate.

Laminating: **UV GLOSS** low-melt thermal laminating films give added surface protection from dirt, abrasion and light fade. If too much tension is applied during lamination, the product may curl toward the laminated side, and the edges may lift from the release liner and/or the application surface. For optimum results, let images dry a minimum of 24 hours before laminating.



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