

TECHNICAL DATA SHEET

GF 109 TRAFFIC GRAFFIC™

5.0 MIL SCRATCH RESISTANT TEXTURED MATTE VINYL FLOOR LAMINATE CLEAR PERMANENT ADHESIVE

GF 109 is a 5.0 mil scratch resistant clear laminate with a textured matte finish. This laminating film is an inexpensive and durable alternative to polycarbonate film. It has a permanent acrylic pressure sensitive adhesive formulated for exceptional clarity. Produced on a 1.5 mil polyester clear liner, the laminate has an extremely smooth adhesive coating. GF 109 can be paired with approved print films to create graphics for tile and carpet. GF 109 has been rated for slip resistance based on multiple testing methods.

PRODUCT NAME	109
FILM	
Film Type	Clear Polymeric Vinyl
Film Thickness (mils/μm)	5.0 / 127 (+/- 10%)
Film Weight (gsm)	165
Gloss (60°)	10-25
Opacity (%)	N/A
Tensile Strength (psi)	MD ≥ 6000 / CD ≥ 5000
Elongation (%)	MD ≥ 180 / CD ≥ 180
Dimensional Stability (FTM 14)	MD ≤ 0.80 mm / CD ≤ 0.50 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/μm)	1.4-1.6 / 36-41
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	4.8 / 21
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	6.0 / 26
LINER	
Liner Weight (#/gsm)	N/A
Liner Type	Clear Polyester
Liner Thickness (mils/μm)	1.5 / 38
Release Force @ 300" / min (g/2")	25-50
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 200 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Indoor only
CERTIFICATIONS & RATINGS	
Slip Resistance	· UL 410 - Classified as Slip Resistant · AS HB198:2014 (AS/NZS 4586) - Dry PTV: 65, Wet PTV: 29 · ANSI A137.1/A326.3 - Dry DCOF: 0.96, Wet DCOF 0.28 · DIN 51130 - R9

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION ☐ WET APPLY ☒ DRY APPLY ☒ LAMINATING ☐ MOUNTING ☒ DIE CUTTABLE ☐ HOT STAMP ☐ THERMAL DIE ☒ FLATBED CUTTABLE	☒ POP/RETAIL ☐ WALL ☐ WRAP ☐ WINDOW ☒ FLOOR ☒ COUNTER ☐ TRANSLUCENT ☒ GENERAL SIGNAGE ☒ INDOOR ☐ OUTDOOR	☐ SOLVENT ☐ ECO-SOLVENT ☐ LATEX ☐ UV CURABLE ☐ SCREEN ☐ OFFSET (UV CURABLE) ☐ OFFSET (CONVENTIONAL)
SUBSTRATES ☐ OEM PAINTED METAL ☐ PAINTED ALUMINUM ☐ STAINLESS STEEL ☒ PRINTED GRAPHICS ☐ ACRYLIC		

FAQS

What types of applications is GF 109 good for?	GF 109 is a scratch resistant vinyl overlaminate intended for use in the GF Traffic Graffix™ floor decals system as a protective overlaminate. The film is also great for counter mats, mouse pads, and any graphic needing lasting protection
Does GF 109 bond to all ink types?	The permanent adhesive is formulated to adhere to most common printing inks. However, specific formulations must be tested before use. Some ink may contain excessive flow additives that could reduce adhesion of this product. Test before production.
Can I use GF 109 with any base vinyl?	Yes, although for UL approved Traffic Graffix™ floor applications you must pair GF 109 with either GF 210 (tile) or GF 212 (carpet) base vinyls.