GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 217 TRAFFIC GRAFFIC®
3.0 MIL GLOSS CLEAR VINYL FLOOR LAMINATE
CLEAR PERMANENT ADHESIVE

GF 217 is a 3.0 mil gloss clear laminating vinyl designed for use as an economical slip-resistant protective laminate for Traffic Graffic® decals on tile or carpet. It has a permanent acrylic pressure sensitive adhesive formulated for exceptional clarity. This product is Intended as a laminate in the Traffic Graffic® line for high-traffic area floor graphics. The laminate can also be used for decals, table and counter top applications. GF 217 has been rated for slip resistance based on multiple testing methods.

PRODUCT NAME	217
FILM	
Film Type	Clear Monomeric Vinyl
Film Thickness (mils/µm)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	98
Gloss (60°)	≥80
Opacity (%)	N/A
Tensile Strength (psi)	MD ≥ 4000 / CD ≥ 3800
Elongation (%)	MD ≥ 180 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 1.20 mm / CD ≤ 1.00 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/µm)	0.8-1.1 / 20-28
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.8 / 17
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	5.0 / 20
LINER	
Liner Weight (#/gsm)	53 / 86
Liner Type	White PE-Coated 1 side Kraft
Liner Thickness (mils/µm)	3.5 / 89
Release Force @ 300" / min (g/2")	10-40
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: 79, Wet PTV: 18 · ANSI A137.1/A326.3 - Dry DCOF: 0.96, Wet DCOF 0.24

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PRODUCT SNAPSHOT

APPLICATION

- ○ WET APPLY
- ● DRY APPLY
- ● LAMINATING
- ○ MOUNTING
- ● DIE CUTTABLE
- ○ HOT STAMP
- ○ THERMAL DIE
- ● FLATBED CUTTABLE

SUBSTRATES

- ○ OEM PAINTED METAL
- ○ PAINTED ALUMINUM
- ○ STAINLESS STEEL
- ● PRINTED GRAPHICS
- ○ ACRYLIC

APPLICATIONS

- ● POP/RETAIL
- ○ WALL
- ○ WRAP
- ○ WINDOW
- ● FLOOR
- ● COUNTER
- ○ TRANSLUCENT
- ● GENERAL SIGNAGE
- ● INDOOR
- ○ OUTDOOR

INK TYPE

- ○ SOLVENT
- ○ ECO-SOLVENT
- ○ LATEX
- ○ UV CURABLE
- ○ SCREEN
- ○ OFFSET (UV CURABLE)
- ○ OFFSET (CONVENTIONAL)

FAQS

Question	Answer
What types of applications are GF 217 good for?	GF 217 is intended for use in producing Traffic Graffic® floor decals as well as counter mats, mouse pads, and other graphic applications.
Does GF 217 bond to all ink types?	The permanent adhesive is formulated to adhere to most common printing inks. Test before production.
Can I use GF 217 with any base vinyl?	Yes, although for UL approved Traffic Graffic® floor applications you must pair GF 217 with either GF 210 (tile) or GF 212 (carpet) base vinyls.
Where can I find more information on floor graphics?	Visit our website's Tech Tips under Resources and select Traffic Graffic® Overlaminates.