GENERAL FORMULATIONS

GF 213 TRAFFIC GRAFFIC®
3.75 MIL EMBOSSED POLYPROPYLENE FLOOR LAMINATE
CLEAR PERMANENT ADHESIVE

GF 213 is a 3.75 mil clear embossed polypropylene film designed for use as an economical protective laminate for Traffic Graffic® decals. This non-glare laminate is also an environmentally friendly alternative to vinyl films. GF 213 laminate offers a permanent acrylic pressure sensitive adhesive formulated for exceptional clarity and bond for printed graphic applications. It is intended for use as a laminating film for producing short term indoor Traffic Graffic™ floor decals, table and counter top applications. GF 213 is also approved for indirect food contact. The adhesive is formulated to adhere to most common printing inks. GF 213 has been rated for slip resistance based on multiple testing methods.

PRODUCT NAME	213
FILM	
Film Type	Clear Polypropylene
Film Thickness (mils/µm)	3.75 / 95 (+/- 10%)
Film Weight (gsm)	70
Gloss (60°)	10-30
Opacity (%)	N/A
Tensile Strength (psi)	MD ≥ 3000 / CD ≥ 3000
Elongation (%)	MD ≥ 500 / CD ≥ 500
Dimensional Stability (FTM 14)	MD ≤ 0.60 mm / CD ≤ 0.50 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/µm)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.0 / 8.8
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	3.0 / 13
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: 87, Wet PTV: 24 · ANSI A137.1/A326.3 - Dry DCOF: 0.94, Wet DCOF 0.41
Indirect Food Contact	· 21CFR 174 thru 182 and 21 CFR 175.105 respectively

TECHNICAL DATA SHEET

GF 213 - 3.75 MIL EMBOSSED POLYPROPYLENE FLOOR LAMINATE CLEAR PERMANENT ADHESIVE

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 (SHORT-TERM)
- ○ OUTDOOR

INK TYPE

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

FAQS

What types of applications is GF 213 good for?	GF 213 is intended for use in producing Traffic Graffic® floor decals as well as counter mats, mouse pads, and other graphic applications.
Does GF 213 bond to all ink types?	The permanent adhesive is formulated to adhere to most common printing inks. Test before production.
Can I use GF 213 with any base vinyl?	Yes, although for UL approved Traffic Graffic® floor applications you must pair GF 213 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.