

**TECHNICAL  
DATA  
SHEET**

# 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 Graffice® 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 Graffice™ 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
<b>FILM</b>	
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
<b>ADHESIVE</b>	
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
<b>LINER</b>	
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")	10-25
<b>PERFORMANCE GUIDANCE</b>	
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
<b>CERTIFICATIONS &amp; RATINGS</b>	
Slip Resistance	<ul style="list-style-type: none"> <li>· UL 410 - Classified as Slip Resistant</li> <li>· AS HB198:2014 (AS/NZS 4586) - Dry PTV: 66, Wet PTV: 30</li> <li>· ANSI A137.1/A326.3 - Dry DCOF: 0.94, Wet DCOF 0.29</li> <li>· DIN 51130 - R9</li> </ul>
Indirect Food Contact	· 21CFR 174 thru 182 and 21 CFR 175.105 respectively

GF 213 | APRIL 2021

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p><b>APPLICATION</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input checked="" type="radio"/> LAMINATING</li> <li><input type="radio"/> MOUNTING</li> <li><input checked="" type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> THERMAL DIE</li> <li><input checked="" type="radio"/> FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input type="radio"/> WRAP</li> <li><input type="radio"/> WINDOW</li> <li><input checked="" type="radio"/> FLOOR</li> <li><input checked="" type="radio"/> COUNTER</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> INDOOR (SHORT-TERM)</li> <li><input type="radio"/> OUTDOOR</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> SOLVENT</li> <li><input type="radio"/> ECO-SOLVENT</li> <li><input type="radio"/> LATEX</li> <li><input type="radio"/> UV CURABLE</li> <li><input type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul>
<p><b>SUBSTRATES</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> OEM PAINTED METAL</li> <li><input type="radio"/> PAINTED ALUMINUM</li> <li><input type="radio"/> STAINLESS STEEL</li> <li><input checked="" type="radio"/> PRINTED GRAPHICS</li> <li><input type="radio"/> ACRYLIC</li> </ul>		

### FAQS

What types of applications is GF 213 good for?	GF 213 is intended for use in producing Traffic Graffico® 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 Graffico® 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?	<a href="#">Traffic Graffico Technical Tips</a>