

# TECHNICAL DATA SHEET

## GF 214

### 3.0 MIL MATTE WHITE VINYL CLEAR PERMANENT ADHESIVE

GF 214 is a 3.0 mil matte white vinyl with a permanent clear acrylic pressure sensitive adhesive on a 90# layflat liner. This vinyl film is designed to accept a variety of solvent, eco solvent, latex and UV curable inks common to wide format digital printing systems. This adhesive produces permanent bonds to a variety of common substrates used in graphics applications. The 90# lay flat liner provides excellent dimensional stability for printing and post processing.

PRODUCT NAME	214
<b>FILM</b>	
Film Type	White Monomeric Vinyl
Film Thickness (mils/ $\mu$ m)	3.0 / 76 (+/- 10%)
Film Weight (gsm)	105
Gloss (60°)	≤30
Opacity (%)	92
Tensile Strength (lbs/in)	MD ≥ 4500 / CD ≥ 4000
Elongation (%)	MD ≥ 225 / CD ≥ 225
Dimensional Stability (FTM 14)	MD ≤ 2.00 mm / CD ≤ 1.50 mm
<b>ADHESIVE</b>	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/ $\mu$ m)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.7 / 16
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	5.2 / 23
<b>LINER</b>	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-Sided PE Coated Kraft
Liner Thickness (mils/ $\mu$ m)	6.7 / 170
Release Force @ 300" / min (g/2")	90-140
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	3 years

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<b>APPLICATION</b> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input 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 type="radio"/> FLOOR</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input type="radio"/> FLEET</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> OUTDOOR (SHORT TERM)</li> <li><input type="radio"/> OUTDOOR (LONG TERM)</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> SOLVENT</li> <li><input checked="" type="radio"/> ECO-SOLVENT</li> <li><input checked="" type="radio"/> LATEX</li> <li><input checked="" type="radio"/> UV CURABLE</li> <li><input checked="" type="radio"/> SCREEN</li> <li><input checked="" type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul>
<b>SUBSTRATES</b> <ul style="list-style-type: none"> <li><input checked="" type="radio"/> OEM PAINTED METAL</li> <li><input checked="" type="radio"/> PAINTED ALUMINUM</li> <li><input checked="" type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> LOW-ENERGY SURFACES</li> <li><input type="radio"/> ACRYLIC</li> <li><input type="radio"/> GLASS</li> <li><input type="radio"/> POLYESTER</li> </ul>		

### FAQS

What applications are GF 214 intended for?	GF 214 is designed for interior or exterior signage, decals, nameplates, point-of-purchase displays and general signage.
Can GF 214 be removed?	Most decals can be removed with some effort, even if they have a permanent adhesive. GF 214 has a standard permanent adhesive that works on a variety of surfaces. This adhesive is permanent and will not remove cleanly, but any adhesive transfer or residue can be cleaned up easily with standard adhesive removers.