

TECHNICAL DATA SHEET

GF 220AE

6.0 MIL GLOSS WHITE SEMI-RIGID VINYL CLEAR PERMANENT ADHESIVE WITH AIR EGRESS

GF 220AE is a 6.0 mil gloss white semi-rigid vinyl with a permanent acrylic pressure sensitive adhesive on a 90# Air Egress liner. This vinyl is designed to accept a variety of solvent-based, UV curable and latex inks common to wide format digital printing systems. GF 220AE is a permanent vinyl designed for ease of application of temporary interior or exterior signage (up to 3 years), decals, and point-of-purchase displays. Semi-Rigid films are easy to handle due to their rigidity and thus can be applied quickly.

PRODUCT NAME	220AE
FILM	
Film Type	White Intermediate Vinyl
Film Thickness (mils/ μ m)	6.0 / 152 (+/- 10%)
Film Weight (gsm)	200
Gloss (60°)	≥ 70
Opacity (%)	98
Tensile Strength (lbs/in ²)	MD ≥ 3500 / CD ≥ 3500
Elongation (%)	MD ≥ 60 / CD ≥ 60
Dimensional Stability (FTM 14)	MD ≤ 1.10 mm / CD ≤ 1.00 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Thickness (mils/ μ m)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	3.0 / 13
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.5 / 20
LINER	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-Sided PE-Coated Kraft Air Egress
Liner Thickness (mils/ μ m)	7.0 / 180
Release Force @ 300" / min (g/2")	80-130
PERFORMANCE GUIDANCE	
Application Temperature	$\geq +40$ °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 3 years
Removability	N/A

**All values provided are typical averages intended for guidance only and should not be interpreted as product specifications or warranties.*

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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 ☐ TRANSLUCENT ☐ FLEET ☒ GENERAL SIGNAGE ☒ INDOOR ☒ OUTDOOR	☒ SOLVENT ☒ ECO-SOLVENT ☒ LATEX ☒ UV CURABLE ☒ SCREEN ☒ OFFSET (UV CURABLE) ☐ OFFSET (CONVENTIONAL)
SUBSTRATES ☒ OEM PAINTED METAL ☒ PAINTED ALUMINUM ☒ STAINLESS STEEL ☐ FIBERGLASS ☐ LOW-ENERGY SURFACES		

FAQS

Do I need to use application tape with GF 220AE?	Most people have great success using the GF 220AE without application ape. The added thickness of this product allows installers to handle this material easily. The dimensional stability also means that the product won't stretch during application.
Is GF 220AE Semi-Rigid good for bumper sticker applications?	Although you could use GF 220AE for bumper sticker type applications, you generally would use a removable type of decal for ease of removal down the road. Permanent adhesives may have some degree of adhesive ransfer depending upon the duration of the application.
What are some unique applications for permanent Semi-Rigid vinyls?	Semi Rigid films have good dimensional stability. If you match this feature with other high-quality laminates you can create signage for these types of applications: - A graffiti protected sign when laminated with GF 108 Tedlar® by Dupont™ anti-graffiti laminate. - A commercial grade dry erase board when laminated with GF 110 EraseMark Pro™ dry erase laminate.