GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 280 WINDOWMARK®

6.0 MIL MATTE WHITE PERFORATED VINYL (80/20) CLEAR REMOVABLE ADHESIVE

GF 280 is a 6.0 mil perforated high performance vinyl film with a white print side and black see-through side coated with a low-tack repositionable and removable pressure sensitive, clear solvent acrylic adhesive designed for one way, view-through exterior/outside mounted window graphics. The vinyl will accept a variety of wide format digital printing inks including solvent, eco-solvent, UV and Latex. The dual layflat and perforated/solid liner construction offers good dimensional stability in a variety of ambient conditions and is cross compatible with wide format digital inkjet printer platforms, including UV. The adhesive is designed to cleanly remove from glass with little to no adhesive residue.

PRODUCT NAME	280
FILM	
Film Type	White/Black Perforated Monomeric Vinyl
Film Thickness (mils/µm)	6.0 / 152 (+/- 10%) before emboss
Film Weight (gsm)	170
Gloss (60°)	N/A
Opacity (%)	N/A
Tensile Strength (lbs/in)	N/A
Elongation (%)	N/A
Dimensional Stability (FTM 14)	MD ≤ 0.30 mm / CD ≤ 0.30 mm
ADHESIVE	
Adhesive Type	Solvent 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	1.6 / 7.0
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.6 / 11
Peel Strength on Glass (lbs/in) / (N/25mm) 15 min	3.0 / 13
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	3.0 / 13
LINER	
Liner Weight (#/gsm)	118 / 192
Liner Type	Dual Layer (Perforated/Solid) White 2-Sided PE-Coated Kraft
Liner Thickness (mils/µm)	9.2 / 235
Release Force @ 300" / min (g/2")	100-500
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	0 °F to 150 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 2 years
Removability	Up to 1 year

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PRODUCT SNAPSHOT

APPLICATION

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

SUBSTRATES/SURFACES

- ❍ OEM PAINTED METAL
- ❍ PAINTED ALUMINUM
- ❍ STAINLESS STEEL
- ● GLASS
- ● ACRYLIC

APPLICATIONS

- ● POP/RETAIL
- ❍ WALL
- ❍ WRAP
- ● WINDOW
- ❍ FLOOR
- ❍ TRANSLUCENT
- ❍ FLEET
- ● GENERAL SIGNAGE
- ● INDOOR
- ● OUTDOOR

INK TYPE

- ● SOLVENT
- ● ECO-SOLVENT
- ● LATEX
- ● UV CURABLE
- ● SCREEN
- ● OFFSET (UV CURABLE)
- ❍ OFFSET (CONVENTIONAL)

FAQS

What applications are GF 280 good for?	GF 280 works great with flat, smooth transparent surfaces. An ideal solution for temporary store front applications and medium-term applications requiring view-through capabilities and bond to windows.
What if I leave GF 280 on past it's optimal removability time frame?	GF 280 will always be removable, but you may have some percentage of adhesive transfer when left on past the 1 year clean removal timeline.
Is GF 280 good for vehicle windows?	No. This product does not meet the minimum light transmission regulations. The user of this product is responsible for complying with these regulations. We recommmend GF 232 (50/50) perforated film for vehicle window wrap applications.
If I want to laminate my graphic print, do I need to use an optically clear laminate?	Yes. In most cases where a laminate is used, an opitcally clear laminate is recommended for optimal view-through capabilities. Using standard laminates can result in less clarity. We recommend our GF OptiMark™ Optically Clear Cast laminate.

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