GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 232 WINDOWMARK®

6.0 MIL MATTE WHITE PERFORATED VINYL (50/50) CLEAR REMOVABLE ADHESIVE

GF 232 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 liner construction, perforated/solid liner, 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	232
FILM	
Film Type	White/Black Perforated Monomeric Vinyl
Film Thickness (mils/µm)	6.0 / 152 (+/- 10%) before emboss
Film Weight (gsm)	100
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	0.9 / 3.9
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	1.6 / 7.0
Peel Strength on Glass (lbs/in) / (N/25mm) 15 min	1.8 / 7.9
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	1.8 / 7.9
LINER	
Liner Weight (#/gsm)	95 / 160
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")	50-75
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	Up to 2 years
Removability	Up to 1 year

309 S. UNION | SPARTA, MI 49345 | P:(616) 887-7387 | T:(800) 253-3664 | F:(616) 887-0537
WWW.GENERALFORMULATIONS.COM

TECHNICAL DATA SHEET

GF 232 - 6.0 MIL MATTE WHITE PERFORATED VINYL CLEAR REMOVABLE ADHESIVE

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 232 good for?	GF 232 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 232 on past it's optimal removability time frame?	GF 232 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 232 good for vechicle windows?	Yes. GF 232 has a 50/50 perf pattern (50%) which gives the operator optimal viewing from the inside of the vehicle.
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.

For Standard Terms & Conditions: www.generalformulations.com/terms-conditions

309 S. UNION | SPARTA, MI 49345 | P:(616) 887-7387 | T:(800) 253-3664 | F:(616) 887-0537

WWW.GENERALFORMULATIONS.COM