GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 230 AUTOMARK®

2.4 MIL GLOSS WHITE WRAP VINYL
GREY REPOSITIONABLE ADHESIVE

GF 230 is a premium 2.4 mil calendered gloss white vinyl digital media with a grey permanent repositionable acrylic adhesive on an air egress liner. This film is designed to accept a variety of solvent, latex and UV curable inks common to wide format digital printing systems. The grey permanent adhesive offers excellent opacity and exceptional repositionable qualities. GF 230 AutoMark® Premium 2.4 mil calendered gloss white vinyl digital media is specifically engineered for use in most vehicle wrap and decal applications. The 90# air egress layflat liner allows for good lay-flat and air-free application.

PRODUCT NAME	230
FILM	
Film Type	White Polymeric Vinyl
Film Thickness (mils/µm)	2.4 / 61 (+/- 10%)
Film Weight (gsm)	85
Gloss (60°)	≥ 80
Opacity (%)	≥ 99
Tensile Strength (lbs/in)	MD ≥ 4000 / CD ≥ 3800
Elongation (%)	MD ≥ 225 / CD ≥ 280
Dimensional Stability (FTM 14)	MD ≤ 0.50 mm / CD ≤ 0.30 mm
ADHESIVE	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/µm)	1.1-1.3 / 28-33
Adhesive Color	Grey
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	3.5 / 15
LINER	
Liner Weight (#/gsm)	98 / 160
Liner Type	White 2-sided PE-Coated Kraft, Air Egress
Liner Thickness (#/gsm)	7.5 / 190
Release Force @ 300" / min (g/2")	20-35
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 7 years
Removability	* Up to 2 years
CERTIFICATIONS & RATINGS	
Flammability *(when used with 231 or 240 gloss laminate)*	ASTM E84 Class 1 or A (Rating Standard Test Method for Surface Burning Characteristics of Building Materials)

**AutoMark® Vehicle Wrap Warranty: When removed using generally accepted vehicle graphic removal techniques, the horizontal applications may leave 20% or less adhesive residue.*

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 230 - GLOSS WHITE WRAP VINYL
2.4 MIL GREY PERMANENT ADHESIVE

PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION	● POP/RETAIL	● SOLVENT
❍ WET APPLY	● WALL	● ECO-SOLVENT
● DRY APPLY	● WRAP	● LATEX
❍ LAMINATING	● WINDOW	● UV CURABLE
● DIE CUTTABLE	❍ FLOOR	● SCREEN
❍ HOT STAMP	● FLEET	● OFFSET (UV CURABLE)
❍ THERMAL DIE	● GENERAL SIGNAGE	❍ OFFSET (CONVENTIONAL)
● FLATBED CUTTABLE	❍ OUTDOOR (SHORT TERM)	
SUBSTRATES	**MATCHING LAMINATES**	**ADDITIONAL CAST LAMINATES**
● OEM PAINTED METAL	● GF 231 2.4 MIL GLOSS	● GF 242 2.0 MIL GLOSS OPTICALLY CLEAR
● PAINTED ALUMINUM	● GF 240 2.4 MIL MATTE	● GF 813 1.3 MIL GLOSS CAST
● STAINLESS STEEL		● GF 831 2.0 MIL GLOSS CAST
		● GF 840 2.0 MIL MATTE CAST
		● GF 844 2.0 MIL ULTI-MATTE CAST

FAQS

Is AutoMark® a full wrap film?	AutoMark® works best with simple to moderate curves. GF 230 is a polymeric calendared vinyl, and thus is not meant for complex curves. A cast film is may be better suited for vehicles with complex curves and deep recesses.
What types of vehicles are ideal for GF 230 AutoMark®?	GF 230 premium 2.4 mil calendared gloss white vinyl is designed to be applied to corrugations, riveted surfaces, flat and slight to moderate curves. The construction can be used on vans, trucks, sedans of all sizes, fleet and recreational vehicles.
What are the recommended laminates for GF 230?	Our standard laminates are GF 231 Gloss Clear UV and GF 240 Matte Clear UV. For a higher gloss finish, use GF 242 Gloss Optically Clear UV Cast laminate.
Can I use wet application techniques on the GF 230?	No. Although AutoMark® **has a solvent based adhesive, the air egress technology could potential trap fluids and be extremely difficult to extract and remove. Wet application is not warranted.**
Can I use primer with this product?	We do not recommend Primer 94 with our product. If absolutely necessary, a small amount of Pro Bond™ Adhesive Promoter may be used in the tougher areas, but best practices are to clean the surface and crevices thoroughly, as most failures are the result of dirt and debris.

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