

TECHNICAL DATA SHEET

GF 290 CHALKMARK™ 5.0 MIL MATTE BLACK VINYL CLEAR REMOVABLE ADHESIVE

GF 290 ChalkMark™ vinyl is a 5.0 mil matte black chalkboard vinyl with a clear high-tack removable adhesive on a 90# liner. The 5.0 mil ChalkMark vinyl is designed for use with soft chalks and liquid chalk markers, and has a washable surface. The HTR adhesive works great on smooth painted drywall, plastic a-frame signs, metals and glass. ChalkMark™ is commonly used to produce decorative wall graphics covering large areas for menu boards or murals. GF 290 ChalkMark can also be used to create promotion graphics, plasticade signs, point-of-purchase graphics and craft cut shapes and decals.

PRODUCT NAME	290
FILM	
Film Type	Black Vinyl
Film Thickness (mils/μm)	5.0 / 127 (+/- 10%)
Film Weight (gsm)	185
Gloss (60°)	≤10
Opacity (%)	100
Tensile Strength (psi)	MD ≥ 4000 / CD ≥ 4000
Elongation (%)	MD ≥ 180 / CD ≥ 225
Dimensional Stability (FTM 14)	MD ≤ 0.60 mm / CD ≤ 0.50 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	1.8 / 7.9
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.5 / 11
Peel Strength on Glass (lbs/in) / (N/25mm) 15 min	1.2 / 5.3
Peel Strength on Glass (lbs/in) / (N/25mm) 24 hrs	2.0 / 8.8
LINER	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-sided PE-Coated Kraft
Liner Thickness (mils/μm)	6.7 / 170
Release Force @ 360" / min (g/2")	20-30
PERFORMANCE GUIDANCE	
Application Temperature	≥ +40 °F
Service Temperature	-40 °F to 200 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	3 years
Indoor Durability	*5 years
Removability	1 year
RATINGS & CERTIFICATIONS	
Regulatory	· Compliant with CPSIA 2008, RoHS and REACH
Flammability	· ASTM E84 Class 1 or A (Rating Standard Test Method for Surface Burning Characteristics of Building Materials)

* Indoor durability of material under normal conditions.

GF 290 | OCTOBER 2022

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION <ul style="list-style-type: none"> ○ WET APPLY ● DRY APPLY ● LAMINATING ○ MOUNTING ● DIE CUTTABLE ○ HOT STAMP ○ THERMAL DIE ● FLATBED CUTTABLE 	<ul style="list-style-type: none"> ● POP/RETAIL ● WALL ○ WRAP ● WINDOW ○ FLOOR ○ COUNTER ○ TRANSLUCENT ● GENERAL SIGNAGE ● INDOOR ● OUTDOOR 	<ul style="list-style-type: none"> ○ SOLVENT ○ ECO-SOLVENT ● LATEX* ● UV CURABLE ● SCREEN ● OFFSET (UV CURABLE) ○ OFFSET (CONVENTIONAL) <p><i>* Latex printer must have white ink capability.</i></p>
SUBSTRATES <ul style="list-style-type: none"> ● OEM PAINTED METAL ○ PAINTED ALUMINUM ○ STAINLESS STEEL ● SMOOTH PAINTED DRYWALL ○ ACRYLIC 		

FAQS

Where can I use GF 290 ChalkMark?	GF 290 is great for a variety of applications, from craft projects to wallgraphics. This film is great for restaurant and brewery menu boards or interactive walls in homes, businesses or schools. It is designed to be applied to smooth painted wall surfaces, metal, plastic and glass
Can I print with any type of ink on GF 290?	No, GF 290 ChalkMark is only compatible with UV curable digital and screen inks and is not compatible with solvent, eco-solvent or latex* types of ink. Consider using GF Cut & Craft vinyl and applying secondary lettering or shapes to your ChalkMark installation. (* latex inks will stick, but will not be visible unless the latex printer has white ink to back up the colors, ex: HP Latex R Series, HP Latex 700W & 800W)
Is GF 290 ChalkMark safe to use in a classroom?	Yes, GF 290 meets several safety and compliance criteria making it a great choice for use in a variety of spaces. As listed above, GF 290 is Compliant with CPSIA 2008, RoHS and REACH, and approved under ASTM E84 as a Class A fire rated material.

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GF 290 TECHNICAL INFORMATION

APPLICATIONS AND USES

ChalkMark™ vinyl works with *standard chalk, soft chalk, and liquid chalk markers.

*Please note that standard chalks vary and some may mar or scratch the vinyl surface due to their hardness and density, as well as the amount of pressure applied. We recommend you test a small section of the film first. Soft chalk and Liquid Chalk Markers are ideal for this type of surface and will clean up with water and isopropyl alcohol.

Recommended brands:

ChalkMark™ has been tested with the following brands:

- Liquid Chalk Markers: Elmers Board Mate Markers, ChalkInk Markers and Expo BrightSticks
- Soft Chalk: Staedtler Karat Soft Pastel Chalks