

# TECHNICAL DATA SHEET

## GF 108 TEDLAR® BY DUPONT™

### 1.0 MIL SATIN CLEAR ANTI-GRAFFITI LAMINATE CLEAR PERMANENT ADHESIVE

GF 108 Tedlar® DuPont™ is a satin clear 1.0 mil transparent PVF Film coated with a solvent permanent pressure sensitive adhesive on a 53# liner. Recommended for use in smooth substrate laminating applications requiring extended resistance to UV exposure, color stability or abrasion resistance. GF 108 made with Tedlar® DuPont™ is graffiti resistant. See cleaning recommendations listed below.

PRODUCT NAME	108
<b>FILM</b>	
Film Type	Clear Tedlar PVF Film
Film Thickness (mils/μm)	1.0 / 25 (+/- 10%)
Film Weight (gsm)	36
Gloss (60°)	65
Opacity (%)	N/A
Tensile Strength (lbs/in)	MD ≥ 10000 / CD ≥ 18000
Elongation (%)	MD ≥ 120 / CD ≥ 125
Dimensional Stability (FTM 14)	MD ≤ 0.40 mm / CD ≤ 0.30 mm
<b>ADHESIVE</b>	
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	1.7 / 7.4
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.2 / 9.6
<b>LINER</b>	
Liner Weight (#/gsm)	45 / 73
Liner Type	White PE-Coated One Sided Kraft
Liner Thickness (mils/μm)	3.0 / 76
Release Force @ 300" / min (g/2")	55-75
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	≥ +50 °F
Service Temperature	-40 °F to 225 °F
Shelf Life	2 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	up to 10 years
<b>CERTIFICATIONS &amp; RATINGS</b>	
Flammability	ASTM E84 Class 1 or A (Rating Standard Test Method for Surface Burning Characteristics of Building Materials)

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<b>APPLICATION</b> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input checked="" type="radio"/> LAMINATING</li> <li><input type="radio"/> MOUNTING</li> <li><input checked="" type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> THERMAL DIE</li> <li><input type="radio"/> FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input checked="" type="radio"/> WALL</li> <li><input checked="" type="radio"/> WRAP</li> <li><input checked="" type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> FLEET</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> OUTDOOR (LONG TERM)</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> SOLVENT</li> <li><input type="radio"/> ECO-SOLVENT</li> <li><input type="radio"/> LATEX</li> <li><input type="radio"/> UV CURABLE</li> <li><input type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul>
<b>SUBSTRATES</b> <ul style="list-style-type: none"> <li><input type="radio"/> OEM PAINTED METAL</li> <li><input type="radio"/> PAINTED ALUMINUM</li> <li><input type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> LOW-ENERGY SURFACES</li> <li><input type="radio"/> ACRYLIC</li> </ul>		

FAQS	
Does GF 108 protect from UV rays?	GF 108 is designed to extend the exposure resistance of graphics, decals, and nameplates. This overlay will protect inks and graphics from fading caused by exposure to UV radiation.
What types of graffiti does GF 108 protect from?	Tedlar® DuPont™ film is resistant to permanent markers, spray paint, and harsh chemicals. Cleaners such as MEK and Acetone may be used and have no adverse effects on the film.
Will GF 108 Tedlar conform to a textured substrate or complex curves?	GF 108 Tedlar is designed for smooth surface and substrate applications only. The PVF film is not suitable for use as a laminate on textured print materials (such as WallMark™ HTR textures or GraphiTex® wall fabrics), and it will not conform to complex curves or rivets, even with heat.

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## GF 108 APPLICATION INSTRUCTIONS

### CLEANING RECOMMENDATIONS

GF 108 made with DuPont™ Tedlar® film is easy to clean. Tedlar® film can be cleaned with a simple mixture of soap and water. Light washing should be all that is needed to keep graphics looking clean and bright. Most paint or sprayed on graffiti can be removed with suitable commercial solvents without damage to the Tedlar® surface. The procedures for removing stains can be divided into three categories, depending on the staining agent. In all cases, cleaners should be applied generously using a soft cloth with very light pressure to avoid polishing the stained area.

- **Easy Method: (Cloth Only, Wet or Dry)** Many staining agents can simply be wiped from the Tedlar® film using either a wet or dry cloth.

- **Mild Method: (Soaps, Household Detergents)** Some staining agents require the use of warm, full-strength solutions of standard detergents such as Fantastik™.

- **Moderate Method: (Solvents)** Many staining agents, especially those with heavy oil or grease bases, will require the use of a solvent for removal. To remove asphalt, tar, road oil, grease, fresh paint, or caulking compounds from Tedlar® film, use a good grade of mineral spirits, kerosene, naphtha, turpentine, or commercial automotive or road-oil removal agent. Follow the procedure with a detergent rinse and a clear water rinse. For the most stubborn stains, solvents such as acetone, toluene, or methyl ethyl ketone (MEK) may be used.\*

\* These stains should be removed with a soft cloth and detergent solution and given a final rinse with clear water to obtain maximum stain removal.

\* Follow best practices for using protective gear when using commercial based chemicals.

Tedlar® is a DuPont™ registered trademark for polyvinyl fluoride film.

For Standard Terms & Conditions: [www.generalformulations.com/terms-conditions](http://www.generalformulations.com/terms-conditions)

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