

# TECHNICAL DATA SHEET

## GF 109 TRAFFIC GRAFFIC®

### 5.0 MIL SCRATCH RESISTANT TEXTURED MATTE VINYL FLOOR LAMINATE CLEAR PERMANENT ADHESIVE

GF 109 is a 5.0 mil scratch resistant clear laminate with a textured matte finish. This laminating film is an inexpensive and durable alternative to polycarbonate film. It has a permanent acrylic pressure sensitive adhesive formulated for exceptional clarity. Produced on a 1.5 mil polyester clear liner, the laminate has an extremely smooth adhesive coating. GF 109 can be paired with approved print films to create graphics for tile and carpet. GF 109 has been rated for slip resistance based on multiple testing methods.

| PRODUCT NAME  | 109   |
|---|---|
| <b>FILM</b>   |   |
| Film Type   | Clear Polymeric Vinyl   |
| Film Thickness (mils/µm)                                    | 5.0 / 127 (+/- 10%)   |
| Film Weight (gsm)   | 165   |
| Gloss (60°)   | 10-25   |
| Opacity (%)   | N/A   |
| Tensile Strength (psi)                                      | MD ≥ 6000 / CD ≥ 5000   |
| Elongation (%)  | MD ≥ 180 / CD ≥ 180   |
| Dimensional Stability (FTM 14)                              | MD ≤ 0.80 mm / CD ≤ 0.50 mm   |
| <b>ADHESIVE</b>   |   |
| Adhesive Type   | Solvent Acrylic   |
| Adhesive Thickness (mils/µm)                                | 1.4-1.6 / 36-41   |
| Adhesive Color  | Clear   |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min | 4.8 / 21  |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs | 6.0 / 26  |
| <b>LINER</b>  |   |
| Liner Weight (#/gsm)  | N/A   |
| Liner Type  | Clear Polyester   |
| Liner Thickness (mils/µm)                                   | 1.5 / 38  |
| Release Force @ 300" / min (g/2")                           | 25-50   |
| <b>PERFORMANCE GUIDANCE</b>                                 |   |
| Application Temperature                                     | ≥ +40 °F  |
| Service Temperature   | -40 °F to 200 °F  |
| Shelf Life  | 1 year  |
| Storage Temp / Rel. Humidity                                | 70 °F / 50%   |
| Outdoor Durability  | Indoor only   |
| <b>CERTIFICATIONS &amp; RATINGS</b>                         |   |
| Slip Resistance   | <ul style="list-style-type: none"> <li>· UL 410 - Classified as Slip Resistant</li> <li>· AS HB198:2014 (AS/NZS 4586) - Dry PTV: 65, Wet PTV: 29</li> <li>· ANSI A137.1/A326.3 - Dry DCOF: 0.96, Wet DCOF 0.28</li> <li>· DIN 51130 - R9</li> </ul> |

GF 109 | APRIL 2021

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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 checked="" type="radio"/> FLATBED CUTTABLE</li> </ul> | <ul style="list-style-type: none"> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input type="radio"/> WALL</li> <li><input type="radio"/> WRAP</li> <li><input type="radio"/> WINDOW</li> <li><input checked="" type="radio"/> FLOOR</li> <li><input checked="" type="radio"/> COUNTER</li> <li><input type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> INDOOR</li> <li><input type="radio"/> OUTDOOR</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 checked="" type="radio"/> PRINTED GRAPHICS</li> <li><input type="radio"/> ACRYLIC</li> </ul>  |  |   |

### FAQS

|   |  |
|---|--|
| What types of applications is GF 109 good for?                  | GF 109 is a scratch resistant vinyl overlaminate intended for use in the GF Traffic Graffic® floor decals system as a protective overlaminate. The film is also great for counter mats, mouse pads, and any graphic needing lasting protection           |
| Does GF 109 bond to all ink types?                              | The permanent adhesive is formulated to adhere to most common printing inks. However, specific formulations must be tested before use. Some ink may contain excessive flow additives that could reduce adhesion of this product. Test before production. |
| Can I use GF 109 Traffic Graffic® for more than floor graphics? | Yes, GF 109 may be used for indoor counter graphics, P.O.P/retail displays and general signage.  |