

G-FLOOR CLEAR PRINT MEDIA



G-Floor is a one-of-a-kind product designed as a grand-format print media suitable for a wide range of permanent and free floating applications. Specifically designed for all types of printers both solvent and UV curable, it is best suited for second surface printing and offers the most durable material wear layer in the industry.

Product Information

Textures: Ceramic, Wood Grain, and Levant

Roll Size:	5' x 10' Sheet	25lbs
	5' x 50' Roll	125lbs
	10' x 50' Roll	250 lbs

Overall Thickness: .075"

Top Coat

G-Floor Clear print media now has the option to add a protective factory-applied top coat. Top coat finish ranges from a dead Matte to a shiny High gloss finish. Top Coat provides additional protection against scuffs and scratches in high traffic environments, making it easier to clean and maintain.

TCMUV	Matte Top Coat	Gloss Range 7-12GU @ 60*
TCSATUV	Satin Top Coat	Gloss Range 17-22GU @ 60*
TCSGUV	Semi-Gloss Top Coat	Gloss Range 27-32GU @ 60*
TCGUV	High Gloss Top Coat	Gloss Range 50-60GU @ 60*

Technical Data

Division	09 65 00 Resilient Sheet Vinyl		
Technical Data ASTM F-1913	Sheet Vinyl Covering without Backing; Type 1; Grade 1		
Tensile Strength ASTM D412	Pass ≥ 800 PSI		
Hardness ASTM 2240	Pass 90 ± 5 Shore A		
Flexibility ASTM F137	Pass No breaks or crack		
Coefficient of Friction ASTM C1028	Pass Ceramic	Dry - 0.97	Wet - 0.91
	Pass Wood Grain	Dry - 0.95	Wet - 0.94
	Pass Safety	Dry - 0.98	Wet - 0.90
Critical Radiant Flux ASTM E648	Pass ≥ 0.5 Watts/cm ²		
Static Load ASTM F970	Pass 1000 psi		
Residual Indentation ASTM F1914	Pass 250 psi 0.006"		
Chemical Resistance ASTM F925	Pass No Change		
Flame Spread FMVSS 302	Pass Did not Ignite / Self Extinguishing		

Applications

- Retail/POP
- Sports Arenas
- Movie Theaters
- Trade Shows
- Locker Rooms
- Show Rooms
- Convention Centers
- Bars/Restaurants
- ASI Applications

Environmental Considerations

Material Temperature Range for application settings: -15 to 160 degrees F.

Material Acclimation/Optimum Print Temperature Range

All material must be unpackaged and acclimated in the print environment for 24 hours before printing. All remaining material should be rolled tight on the original core and placed back in the original tube. BLT is not responsible for material stored improperly or material that has not properly acclimated.

Printers Note: Cooler temperatures can slow the recovery rate for the material to lay flat, resulting in a “wavy” material when laid down. Warming material will quickly bring it to a relaxed state for optimum printing. For best results, let the material acclimate to room temperature prior to printing.

Optimum Print Temperature Range: 65 to 110 degrees F

Print Options

G-Floor is designed for the digital and screen printing processes. Other processes may apply with custom approved testing results.

Digital: G-Floor can be printed on using flatbed and roll-to-roll formats with no less than 0.60” material thickness tolerance. Both solvent and UV curable inks are suitable for vinyl substrates. Ink curing should not exceed 180 degrees F as excessive heat can cause a cupping effect to the print media material. Speeding up the print carriage and/or decreasing the number of print head passes will resolve excessive heat-related issues.

Screen Printing: Both solvent and UV curable inks are approved for use in screenprinting with G-Floor. Ink curing should not exceed 225 degrees F, and it is recommended to cure at the highest speed possible through the curing unit. Excessive heat exposure from the curing unit or the curing bed can cause the material to become damaged.

When using UV inks: Use a 60 durometer or 70 durometer squeegee, 305-355 mesh plain weave.

When using Solvent inks: Use a 60 durometer or 70 durometer squeegee, 155 - 230 mesh plain weave.

Finishing

It is recommended to use flatbed finishing equipment with reciprocating knives when cutting G-Floor. Cold Steel Rule Die Cutting is also approved as a finishing product with G-Floor. Routing is not recommended as excessive heat from routing may cause the material to produce undesirable edges.

Durability/Weathering

G-Floor has a 5 year limited durability warranty. This warranty covers the clear print media material only. Imaging durability is ink related as to MFG specs. BLT, LLC offers no expressed warranties on custom imaging. End User must determine if outdoor durability is suitable for their end use. Extended exposure to water may cause temporary material clouding. Material will return to clear once dry.

Better Life Technology, LLC stands behind the quality of G-Floor. Better Life Technology cannot, however, guarantee the finished results as BLT exercises no control over individual operating and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed material's life cycle; from printing, post-print processing, to shipment and end use. This product has been formulated for screen and digital printing, and it has not been tested by any other method for approval. And liability associated with the use of the product is limited to the value of the product purchased from Better Life Technology, LLC.



G-Floor is manufactured by Better Life Technology, LLC
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