

G-Floor Clear Graphic Media 75mil is a durable vinyl floor graphic material that is suitable for a wide range of applications from P.O.P, architectural, automotive to ASI applications. It is specifically designed for digital and screen grand format printers both solvent and UV curable. G-Floor is best suited for second surface print viewing and offers the most durable material layer in the industry.

G-Floor is available in **Diamond Tread, Levant, Ceramic, Small Coin and Wood Grain** textures.

## APPLICATION

- \* Retail / POP
- \* Sports Arenas
- \* Movie Theaters
- \* Ad Specialty Industry
- \* Trade Shows
- \* Locker Rooms/Gymnasiums
- \* Show Rooms
- \* Wall to Wall Installs
- \* Convention Centers
- \* Bar/Restaurants
- \* Anti Fatigue Mats

Stand alone or backed with adhesives.

## ENVIRONMENTAL CONSIDERATIONS

Material temperature range for installation and application considerations is -15 to 160 degrees F. Although G-Floor remains flexible in cold, shock cracking can occur.

## OPTIMUM PRINT AND STORAGE TEMPERATURE RANGE:

65 to 110 degrees F.

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

## MATERIAL THICKNESS

0.075” (75mil) base thickness

## PRINT OPTIONS

G-Floor Clear Graphic Media 75mil is designed for Digital and Screen Printing processes. Other processes may apply with customer approved testing results.

G-Floor Clear Graphic Media 75mil is best suited for second surface printing, but may be used with first surface printing. Second surface printing is executed by printing the mirror image to the underside of the material, then applying a layer of white ink or a white backer. First surface printing is digitally or screen-printing to the face/top/textured side of the material.

**Digital Printing:** Flatbed and Roll to Roll printers that can print material thicker than 0.060” with solvent or UV inks are compatible with this media. For ink curing, it is recommended that the heat does not exceed 180 degrees F. Excessive heat from UV curing systems can cause a cupping effect on the material. Increasing the speed of the print carriage and/or decreasing number of passes will resolve excessive heat related issues.

**Screen Printing:** For both solvent and UV inks that approved for vinyl substrates, it is recommended that a heat no more than 225 degrees F is used to cure the inks. For the best results, cure the ink at highest speed possible through the curing units.

**Caution:** Material can be damaged with excessive heat from curing or excessive bed temperature.

**WHITE BACKER**

The best application of white ink for image contrast is achieved with a direct print on UV printing equipment. See FAQ's if white ink option is unavailable.

**WEATHERING / DURABILITY**

G-Floor has a 5-year durability. The durability of the image is ink related as to manufacturing specs and Ultraflex offers no expressed warranties on custom imaging. The user must determine if the outdoor durability is suitable for their end use. Extended exposure to water may cause temporary material clouding, but the material will return to clear once it is dry.

**FINISHING**

Flatbed finishing equipment with reciprocating knives is recommended. The use of excessive heat from routing may cause the material to produce an undesirable edge. Routing is not recommended for use with G-Floor, but Cold Steel Rule Die Cutting is approved.

**TESTING DATA**

Typical Properties Clear (.075")		ASTM Method
Specific Gravity. (+/-0.02)	1.30	D-792
Hardness, Shore A (+/-3)	95	D-2240
Tensile, PSI	2613	D-412
Elongation, %	375%	D-412
100% Modulus, PSI	2034	D-412
Brittle Point, C	-15	D-746
Oxygen Index, %	23	D-2863
Abrasion Resistance	0.30% Loss	D-3389
Coefficient of Friction		C-1028
Wood Grain	0.94 Dry 0.95 Wet	
Levant	0.98 Dry 0.90 Wet	
Diamond Tread	0.97 Dry 0.84 Wet	
Ceramic	0.97 Dry 0.91 Wet	

**MATERIAL SIZES AND WEIGHTS**

4' x 8' Sheet/Roll	16 lbs.
5' x 10' Sheet/Roll	25 lbs.
60" x 50' Roll	125 lbs.
120" x 50' Roll	250 lbs.



Front-lit ▲ Back-lit ▲ Blockout ▲ Flooring ▲ Mesh ▲ Textiles ▲ Specialty ▲

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