



# Elite 50CT - MIDNIGHT BLACK

## POLYVINYL PRINT MEDIA

The Solid Ceramic™ Elite Series is a durable vinyl floor material suitable for a wide range of applications including a top surface print media and an unprinted top coated finished floor. It can be rolled up and reused for events, or installed for a permanent application.

### Product Information

**Surface Texture:** Ceramic™

**Color:** Midnight Black

**Overall Thickness:** 50mil (0.050")

**Roll Size:** 10' x 61'

**Weight:** 6.5 oz/sq ft

**Finish:** Matte

**Warranty:** BILD® offers a 3-year limited warranty. See warranty for more details.

### Product Composition

Durable, Decorative Surface

Waterproof, 100% Polyvinyl Wear Layer



### Technical Data

Tensile Strength   ASTM D412	Pass   > 800 PSI
Flame Spread   FMVSS 302	Pass   Did not Ignite / Self Extinguishing
Surface Flammability   D2859	Pass
Abrasion Resistance   ASTM D2240	Pass   Weight loss after 1,000g = 0.06g Weight loss after 5,000g = 0.013g
Coefficient of Friction   ASTM C1028	Pass   Dry - 0.97 Wet - 0.91
Slip Resistance   B101.3	Pass
Hardness   ASTM D2240	Pass   90+_ 5 Shore A
Critical Radiant Flux   ASTM E648	Pass   0.5 Watts/cm <sup>2</sup>
Static Load   ASTM F970	Pass   1000 psi
Residual Indentation   ASTM F1914	Pass   250 psi 0.006"
Chemical Resistance   ASTM F925	Pass   After 24 Hours, little to no change (Chemicals Tested: ammonia, bleach, inks & markers, crayons, black scuff marks, gum, rock salt, synthetic snow melt, acetic acid, was stripper)

## Environmental Considerations

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Material Temperature Range for application settings: -15 to 160 degrees F. Material remains pliable in cold conditions. May shock fracture in cold environment.

## Material Acclimation/Optimum Print Temperature Range

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**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. Better Life Technology® 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° F

## Print Options

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

**Digital Printing:** G-Floor Graphic® 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° 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 screen printing with G-Floor Graphic®. Ink curing should not exceed 225° 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

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

## Durability/Weathering

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G-Floor Graphic® 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. BILD® 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.

## User Information

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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. See full disclaimer at the end of this document.

*Better Life Technology® stands behind the quality of this product. Better Life Technology® cannot, however, guarantee the finished results because Better Life Technology® 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 item's entire life cycle from printing, post print processing, and shipment to end use. This product has been specially formulated for screen and digital printing, and it has not been tested by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Better Life Technology®.*



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