



Tuffcover Graphiclino Technical Specifications

Tuffcover Graphiclino is a Durable Vinyl Floor Graphic material suitable for a wide range of applications from P.O.P, Architectural, Automotive and ASI applications. Specifically designed for all types of printers both solvent and UV curable. It is best suited for Second Surface print viewing offering the most durable material layer in the industry.

Technical Data Sheet

Environmental considerations

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

APPLICATION *Retail / POP *Trade Shows *Convention Centres *Sports Arenas *Locker Rooms Bar/Restaurants *Movie Theatres *Show Rooms *Anti Fatigue Mats *ASI Applications *Truck Beds *Race Mats. Stand alone or backed with adhesives.

Optimum Print Temperature Range 65 to 110 degrees F

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

Material thickness .075” base thickness.

Print options the material is designed for the Digital Printing processes.

Digital: Flatbed and Roll to Roll formats with no less than .060” max material thickness tolerance. Inks considerations; Solvent and UV curable approved for vinyl substrates. Ink Curing recommendations no more than 180 degrees F. Excessive heat from UV curing systems can cause a cupping effect to material. Speeding up print carriage and/or decreasing number of passes will resolve excessive heat related issues.

White backer. The best possible application of white for image contrast is achieved with a direct print on UV printing equipment. When white option is not available on UV printer we recommend our 19161 GFG H20 Backer White product (GFGH20WH). Product can be sprayed with airless sprayer and or rolled applied with common paint rollers. We recommend the foam type roller over the nap variety to reduce air bubbles during application. When rolling, apply thin even coats. May require multiple layers for best results. Finishing flatbed finishing equipment with Reciprocating Knives recommended. Excessive heat from Routing may cause material to produce an undesirable edge. Routing is not recommended. 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) 95.4 D-2240

Tensile, PSI 2613 D-412

Elongation, % 210% D-412

100% Modulus, PSI 2034 D-412

Brittle Point, C -15 D-746

Surface Flammability >3 D-2859

Abrasion Resistance 0.10 Loss D-3389

Coefficient of Friction 1.04 Dry C-1028

0.94 Wet C-1028

Material sizes and weights

4' x 8' Sheet/Roll 16 lbs.

5' x 10' Sheet/Roll 25 lbs.

5' x 25' Roll 65 lbs.

10' x 25' Roll 125 lbs.

10' x 50' Roll 250 lbs.

5 year durability. This is material only. Imaging durability related to installation floor surface. Displayways offers no expressed warranties on custom imaging depending on the floor surface applied to. Not suitable for outdoor permanent use. Extend exposure to water may cause temporary material clouding. Material will return to clear once dry.