

See "Flexible Material Application Notes" and manufacturer's website for specific, detailed guidelines and instructions.

Material Performance Testing

GENERAL INFORMATION

MATERIAL DESCRIPTION

UltraVision® 6040 Window Perf UV is a perforated white gloss calendared graphic window film with a black adhesive backside, a paper backer and a unique additional center release liner that catches the UV inks while printing; preventing the ink from clogging the perforated holes. UltraVision 6040 UV has a 40% open area for optimal two-way viewing.

RECOMMENDED APPLICATIONS

Exterior mounted window advertisements, store/building windows, vehicle windows.

CAUTIONS

1. Be specific when ordering material as there are many similar materials and finishes, yet performance and results will vary significantly, even among like materials.
2. Be sure to measure dimensions of material prior to printing as they are not always consistent.
3. The following may cause adverse effects on ink adhesion and durability:
 - Failure to acclimate material to ambient conditions for at least 24 hours
 - Failure to print under recommended ambient conditions.
 - Neglecting to properly clean the print surfaces. This will allow debris to be visible after printing.
 - DO NOT lean or store horizontally as flat spots and irregularities may occur which can negatively effect end results.
4. Ink adhesion increases at higher pass modes (8 Pass > 4 Pass > 2 Pass).

WARNING: Be sure that material is completely flat. Curled edges may cause damage to printheads and/or other hardware. Tape down edges as necessary.

PERFORMANCE TESTING RESULTS

See "Material Performance Testing Process" document for process explanation and test conditions.

ADHESION TESTING

Tape Test: Level 5, Excellent
Cross-Hatch Test: Level 0, Very Poor

ABRASION RESISTANCE

Level 5, Excellent

CHEMICAL RESISTANCE

Level 3, Standard

OUTDOOR DURABILITY

GerberCAT inks are outdoor durable for up to 3 years. Consult material manufacturer for durability of substrate. Testing of application in intended environment is advised.

MATERIAL HANDLING RECOMMENDATIONS

STORAGE

1. Stand upright (vertical) only, preferably on a dowel rack so as not to deform any print surfaces and/or edges of the material.
2. Cool, dry, clean area with stable temperature.

SURFACE PREPARATION

1. Print surface should be free and clear of any surface contaminants (i.e. oils, dust, fingerprints, etc.) prior to printing. Wipe with a clean, dry, non-abrasive cloth.

POST-PRINT

Ink cures enough to be touched immediately without adverse effect. Full cure occurs between 15 minutes and 24 hours dependent upon material and ambient conditions. Cutting or any additional undertakings should run flawlessly. If any flaking or cracking occurs, allow to sit 24 hours for full cure. Slower cut speeds yield best results for smoother curves and rounded edges.

Refer to manufacturer's website for additional information.

TESTED PRINT CONDITIONS

AMBIENT TEMPERATURE

70°F (21°C)

AMBIENT HUMIDITY

40%, non-condensing

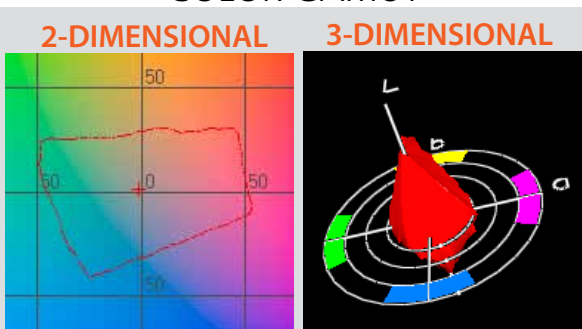
PRINTER RESOLUTION

360 dpi

PRINT MODE

4 Pass, Unidirectional

COLOR GAMUT



COLOR MANAGEMENT

RECOMMENDED RENDERING INTENTS

CMYK Vector: Relative colorimetric
CMYK Image: Perceptual
RGB Vector: Relative colorimetric
RGB Image: Perceptual

MATERIAL PROFILES

The recommended profile can be downloaded from the corresponding materials page on the gspinc.com/applications webpage.

CAUTION: Failure to manage color settings consistently throughout the entire workflow, from image generation through final print, will result in guesswork and unpredictable and potentially unfavorable end results.