MATERIAL DESCRIPTION
Omega-Bond™ is an economical alternative to other aluminum composite panels; features double-sided painted aluminum bonded to a solid polyethylene core; rigid yet lightweight; extremely flat, durable, and moisture-resistant; solid core composition prevents bowing, warping, swelling, and delamination; can be easily fabricated with standard shop tools to create a variety of shapes that do not require edge sealing.

RECOMMENDED APPLICATIONS
- Digital printing
- Interior and exterior signage
- POP displays and exhibits
- Fascia and canopies
- Scoreboards, billboards, highway signage

GENERAL INFORMATION

AMBIENT TEMPERATURE
70°F (21°C)

AMBIENT HUMIDITY
40%, non-condensing

PRINTER RESOLUTION
360 dpi

PRINT MODE
4 Pass, Unidirectional

PERFORMANCE TESTING RESULTS

ADHESION TESTING
Tape Test: Level 5, Excellent
Cross-Hatch Test: Level 4, Very Good

ABRASION RESISTANCE
Level 5, Excellent

CHEMICAL RESISTANCE
Level 5, Excellent

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. Flat; if leaned, on long (horizontal) edge only.
2. Do not stack vertically.
3. Cool, dry, clean area with stable temperature.

SURFACE PREPARATION
1. Remove protective plastic layer and allow to outgas for 24 hours prior to printing.
2. Print surface should be free and clear of any surface contaminants (i.e., oils, dust, fingerprints, etc.) prior to printing.
3. Clean with 99% isopropyl alcohol, using a non-colored cloth. Best results have been obtained when applying the alcohol to the wiping cloth rather than directly to the material and wiping in straight line motion rather than circular.

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, routing, or any additional undertakings should run flawlessly. If any flaking or cracking occurs, allow to sit 24 hours for full cure.

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.