



CLEARWATER
BRIGHT AND BEAUTIFUL • BAY TO BEACH

Presented by:

Santiago Jarrin - V.P. Production



September 6th, 2024

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FLORIDA GRAPHIC SERVICES, INC. (FGS) PROPOSAL

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TAB 1

Introduction

Letter of Transmittal



DUNS: 78-7721166
Florida Corporation
NAICS: 323111
Established: 1991

City of Clearwater
Procurement Division
100 S. Myrtle Ave, 3rd Floor
Clearwater, FL 33758-4748

Re: Citywide Signs, Banners and other Miscellaneous Items - RFP #58-24

Dear Proposal Reviewers,

Florida Graphic Services, Inc. (FGS) is a local large format digital printing company located within the Clearwater city limits. We have 31 years of experience in large format printing; vehicle wrapping; decal and wrap application, removal, and repair; installation of printed products; environmental graphics; pole & mesh banners, aluminum signs, corrugated plastics, architectural signs, wall graphics, wayfinding; ADA and many other digital graphic products.

Some of our large clients include Disney, Nestle, Bush Gardens, Sea World, Legoland, USF, and many others. We pride ourselves on our excellent track record of satisfied clients. We earn our clients' trust by completing our projects on time and exceeding quality expectations. Our intention is to provide the City of Clearwater with an exceptionally high level of service and top quality products.

As required by the City of Clearwater, quotes will be responded within 3 business days and the standard turn around for the completion of the project will be within seven (7) calendar days after the receipt of the order . Pick up of the completed orders shall be at the discretion of the City. Multiple specialized services will be mutually agreed upon by the City and FGS.

We invite your detailed review of our qualifications and commit to provide all resources necessary to complete any assignment to the City's satisfaction. We stand ready to start work as soon as a contract agreement is executed.

Santiago Jarrin
Vice-President
Phone: 727-447-9780
Santiago@fgs2.com



Key Personnel and Main Contacts

1351 N. Arcturas Ave. • Clearwater, FL 33765
Phone: 727-447-9780 • Toll Free: 877-447-9780 • Fax: 727-447-9790
www.fgs2.com

Main Contacts for the City of Clearwater

Main Contact

Santiago Jarrin - V. P. Production-
Santiago@fgs2.com
727-430-3477 (cell)
727-259-6860

Project Manager- Customer Service

Jordan Ulery
Julery@fgs2.com
727-259-6869

Design & Prepress

Delisa Kirchman
Delisa@fgs2.com
727-259-6870

Accounting & Administration

Lorena Cabezas - V. P. Administration
Lorena@fgs2.com
407-432-2001 (cell)
727-259-6861

Contact Lines

Main Line: 727-447-9780
1-800 Line: 877-447-9780
Fax: 727-447-9790

TAB 2

Experience and Qualifications



Florida Graphic Services

a. FGS Experience, Qualifications & Differentiators

DUNS: 78-7721166
 Florida Corporation
 NAICS: 323111
 Established: 1991

About FGS



Florida Graphic Services is a digital printer located in Clearwater, Florida. Our capabilities include state-of-the-art printing and finishing equipment with a team of highly skilled professionals housed in a 30,000 square-foot, climate controlled facility. Our customers' loyalty has been built on providing the highest product quality in the industry. At Florida Graphic Services, there is nothing more important to our long term success than further developing and enhancing the trust and relationships we build with our customers.

Products

Vehicle and Marine Wraps	Backlit Translites	Flags
Vinyl and Mesh Banners	Displays	Floor Displays
Fine Art Reproductions	Decals	Tents & Events
Architectural Wrap	Pole Banners	Acrylic Wall Graphics
Wall Art	A-Frame Signs	Event Badges
Trade Show Displays	Posters	University Branding
Architectural Signs	Standeers	Corporate Promotional Signage
Theme Park Signage	Floor Graphics	Retractables
Athletic Stadium Signage	Canvas	POP Graphics

Services

- Digital Print Production:**
plastics, textiles, wood, paper, metals, vinyls, wall paper
- Graphic Design:**
graphic design and color management services
- Finishings:**
sewing, routing, digital cutting, lamination film, liquid and automotive clear coating, die cutting
- Installations:**
vinyl wrapping, wall graphics; wall mounted graphics; large format installations, window graphics
- Shipping:**
kit packing, multiple shipments, and fulfillment
- Turn key solutions**

Differentiators

- Quality Products:** Premium quality products are the hallmark of our company. Our products are printed at the highest resolution possible with consistent color results, including Pantone Matching System (PMS) duplication.
- Service Superiority:** A knowledgeable team of customer service professionals, designers and managers provide personalized attention to each customer and monitor your project through every step of the production process to make sure it is completed according to your specifications and on time.
- Production Efficiency:** FGS continually invests in production infrastructure; including state of the art equipment, top quality materials and complete quality management systems from Just-In-Time Production to bulk runs, we offer a spectrum of production methodologies.
- Distribution Methods:** Our company takes great pride in delivering flawless products to our customers on time and error free. We offer bulk shipments and kit packing fulfillment services to accomodate large volume, multiple location deliveries.
- Providing Solutions:** FGS specializes in providing creative solutions to unique challenges. Our vast experience in designing, prototyping, and custom fabrication allow us to exceed your expectations on the most complex projects.

1351 N. Arcturas Ave., Clearwater, FL 33765 | fgs2.com | 877-447-9780

b. FGS Current Projects



Current Projects

SEA WORLD- CONTINUING SERVICES
TRADEWINGS - RENOVATION PROJECT
ORLANDO EYE
LEGOLAND - CONTINUING SERVICES
NESTLE - CONTINUING SERVICES
BUSH GARDENS - TAMPA
HH GLOBAL
XEROX- PARALLON CONTINUING SERVICES
DISNEY
CLEARWATER MARINE AQUARIUM
CITY OF SAFETY HARBOR
CITY OF CLEARWATER
CLEARWATER MARINE AQUARIUM
TAMPA BAY BUCANEERS
UNIVERSITY OF ALABAMA
UNIVERSITY OF SOUTH FLORIDA
FLORIDA INTERNATIONAL UNIVERSITY

c. Key Staff & Qualifications



1351 N. Arcturas Ave. • Clearwater, FL 33765
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www.fgs2.com

Project Organization & Staff for the City of Clearwater

Santiago Jarrin - V.P Production

Jordan Ulery - Project Manager/Account Manager

Paul Benford - Operations Mangement and Systems Integration

John Lopez - Production Manager/Quality Control

Delisa N. Kirchmann - Pre-Press Manager

Jason Welling - Lead Installer

Lorena Cabezas - Office Manager/Accounting

c. Key Staff & Qualifications



Santiago Jarrin
V.P. Production
FGS: 2013- Present
Total Experience: 25 Years

A Graduate of the School of Commercial Engineering and Business Administration & Marketing with 30 years of experience on the industry at all levels and 21 years with Florida Graphic Services as General Manager.

Responsible for the coordination of all areas of the company such as materials and, supplies; control quality; equipment and manufacturing. Giving direction to all workers to execute all our work in best effort to accomplish our goal; to produce the best quality products in the most efficient way, with the highest satisfaction of our customers.

Duties and Responsibilities:

- Main coordinator of Special Projects.
- Increases management's effectiveness by recruiting, selecting, orienting, training, coaching, counseling managers; communicating the Florida Graphic Services values, strategies, and objectives; assigning accountabilities; planning, monitoring, and appraising job results; developing incentives; developing a climate for offering information and opinions; so our employees thrive in our company.
- Coordinates efforts by establishing procurement, production, marketing, field and technical services, policies and practices; coordinating actions with marketing, sales and administrative departments.
- Maintains a safe environment for our workers, customers, and visitors by complying with OSHA standards for our workers in our building or in the field.
- Maintains quality of products and services by establishing and enforcing organization standards.
- Contributes to team effort by accomplishing related results as needed.

A handwritten signature in black ink, appearing to read 'S. Jarrin'.

727.259.6860
santiago@fgs2.com

c. Key Staff & Qualifications



Jordan

Jordan J. Ulery
Project Manager /CSR Manager
FGS: 2015- Present
Total Experience: 18 Years

I received a Bachelor of Fine Arts Degree from The Ohio State University in 2015, majoring in visual communication and design, with an emphasis on computer graphics, sculpture, and screen printing. Prior to college, I worked for a glass service company for 10 years where I acquired skills for surveying job sites and project management. While in college, I also worked as an administrative assistant for the art department, which helped me increase my skills when it comes to teaching others about the graphic industry, project management, and coordination of projects and events around campus.

After college, I relocated to Clearwater Florida in 2015, where I soon began working for Florida Graphic Services. For the past 9 years, I have been working as a representative for the company with my main role as an account manager, and project coordination/ project manager. In the process of becoming a project manager at FGS, I have learned and expanded upon the install division here at FGS. A key part to the installs is knowing the materials, in which, I have spent countless hours researching the appropriate materials to use for different conditions and surfaces, and work with installers to learn the best processes used to ensure a successful graphic install. In learning this process, it has allowed me to learn different techniques of completing graphic installs in different areas, and allows me to better estimate and judge the time, materials, and skills required for any given graphic installation.

Another large component of my job consists of making sure the project is on time, and the quality is to the customer's satisfaction, along with ensuring all brand standards are followed. I am able to ensure this level of customer satisfaction by being involved in every step of a project, from the concept, to the design, to production, and to the final steps of install. I work directly with the customer along with our production and install team, to ensure everyone working on any given project understands each other's level of standards that are expected.

Below are some examples of projects that I have managed in my time at FGS.

- Advent health (Ocala) (fleet Vehicle Wraps)
- Tampa General Hospital (Fleet Vehicle Wraps)
- Clearwater Gas Systems (Fleet Vehicle Wraps)
- SeaWorld/ Busch Gardens (Fleet Vehicle / Tram Wraps / Roller Coaster Wraps)
- The Tampa Bay Buccaneers (Fleet Vehicle/ Trailer Wraps)
- Hillsborough Area Regional Transit (window graphics for bus stops)
- Legoland Florida (Fleet Vehicle wraps)

c. Key Staff & Qualifications



Paul Benford
Operations Management and Systems Integration
FGS: 2011- Present
Total Experience: 16 Years

Coming from a software development and deployment background formed my analytical, procedure-centered approach to business operations. In order to grow Florida Graphic Services revenue and capabilities I have researched, refined, and implemented improved processes for nearly every aspect of our core business actions. This covers the entire gamut of our functions, from the start of a project to the distribution of product to the end user.

My core philosophy is to leverage computing and software power to accomplish a deeply considered, elegant solution with the objective of holistic growth of the business. It has been my enduring goal to maintain the delicate balance between considering traditionally conceived programs and fostering innovative creative ideas for improving efficiency. In addition, I strive to effectively utilize the immeasurably valuable knowledge and specialized

I have overseen many changes to our operations, but my proudest accomplishment is the deployment of our production tracking software. This system is used to enter detailed information about a project and then translate this information into clearly readable custom report documents. These documents include: estimates, work orders, production schedules, order confirmations, packing slips, installation checklists, financial documents, invoices, and other reports. We use a robust SQL backend to keep detailed records of all relevant fields pertaining to our transactions. The custom reports were created using Crystal Reports after analyzing the requirements of all pertinent departments. By tailoring the order entry process and production related forms we have seen massive increase in the quality of our final product. Also, because we are constantly investing in new production technologies, these essential instruments are able to continually evolve to fit all the needs of our business as we

With our main system I designed an in depth pricing algorithm that considers the myriad of factors that can cause variability within our wide array of products. This arrangement of formulas has allowed vast increases in efficiency in the quoting process. In addition I have greatly refined our methodology for cost analysis resulting in significant gains in accuracy and

It is the goal of our company, and me personally, to ensure that our procedures, systems, and knowledge bases are aligned with that of all of our clients. In this way we can facilitate the satisfaction of any request that will lead to our mutual growth.

c. Key Staff & Qualifications



Delisa Kirchmann
Prepress Manager/Lead Designer
FGS: 2009-Present
Total Experience: 19 Years

I earned a Bachelor of Arts (Hons) degree in Graphic Information Design from the University of Westminster, London, England. I have 19 years of Graphic Design experience; 14 years of which have been working for Florida Graphic Services (FGS) in the Prepress Department.

Throughout my years with FGS I have worked on various projects including but not limited to, fleet and transportation graphics, theme park graphics, collegiate signage, corporate branding and trade show graphics.

Publix, PSTA, Nestle, PSCU, Tech Data, City of Clearwater, Clearwater Gas Systems, Tampa Bay Buccaneers, University of South Florida, Legoland, SeaWorld, Disney and Tampa General Hospital, are just a few of the many customers I have had the pleasure of working with.

As Prepress Manager, my role is to ensure the departments workflow runs smoothly and efficiently. Communication, attention-to-detail, time management and multi-tasking are the key skills needed for maintaining this productive workflow. Color matching and quality control are a critical part of my role, to ensure we produce the highest quality product for our customers.

My day-to-day responsibilities include:

- Preflighting
- Designing
- Proofing
- File preparation
- Color Matching
- Color Correction
- Quality control
- File management and cataloging

In addition to these key skills and day-to-day responsibilities, I maintain a close working relationship with all departments to ensure all personnel have a good understanding of the projects at hand. I am proficient in Adobe InDesign, Adobe Illustrator and Adobe Photoshop. I am well-rounded in this industry and confident in my abilities to be able meet and exceed the expectations of our customers.

Delisa Kirchmann

c. Key Staff & Qualifications



John Lopez
Production Manager
FGS: 2008- Present
Total Experience: 16 Years

I have been Production Manager for Florida Graphic Services for the past ten years. It is my responsibility to lead my employees by setting an optimum example through efficient time management, strong communication, and multi-tasking. I do this by any means necessary to ensure a superior product that exceeds our customers expectations.

I started in the sign industry over 16 years ago. I began working for Extreme Graphics installing vehicle wraps, among many other projects. During this time, I took classes to become 3M certified through the company to improve my skills and learn more efficient ways to install. I was employed at Extreme Graphics for over three years, installing 3-4 vehicles a week. Those vehicles included sports cars, trucks, work vans, buses, trailers, boats, and many more. During this time, I was able to learn proper vehicle wrap preparation, the best process for printing and lamination, setup and

I began working for Florida Graphic Services in 2008, and through hard work and dedication, I was promoted to Production Manager a few years later. Throughout this time I have been provided the opportunity to expand on my previous knowledge and learn new and vital skills that play a crucial role in being an effective manager. I manage many facets including the operation of many different printers and cutters, working with hot, cold, and liquid lamination, and the oversight of routing and finishing. My experience is very helpful when overseeing projects during these operations, and especially for vehicle wraps. I make sure to involve myself in each project at all levels. I work with prepress to ensure quality and color correction so that every job prints at the highest quality attainable. Additionally, I ensure that prints are not laminated before appropriately de-gassing. By following through from ordering material to completing our 4-point quality control inspection, I can be certain each job is being done accurately and to the highest standards.

John Lopez

c. Key Staff & Qualifications



Jason Welling
Lead Installer
FGS: 2017- Present
Total Experience: 14 Years

With 20 years in the business, I've seen it all when it comes to sign installation and wraps. From High-end indoor signage to eye-catching vehicle wraps, I've tackled a wide range of projects for clients in every industry. Every job is unique, and I pride myself on delivering top-notch results with professionalism, on time and within budget.

Over the years I have had many different rolls in the industry. Starting as a graphic designer out of college, I eventually gained experience in every aspect of the sign process. Not only did I learn the printing process but I apprenticed as a commercial sign fabricator and managed sign production in multiple sign businesses.

As the lead installer at Florida Graphic Services, I've had the opportunity to install signage for a diverse clientele, including amusement parks, public entities, real estate businesses, healthcare providers, and hotels. I've handled everything from small storefront signs to large-scale installations, always prioritizing precision, safety and efficiency.

I excel at precision sign installation. My strong communication skills allow me to collaborate effectively with clients, ensuring their vision is accurately brought to life. I take pride in delivering flawless installations that exceed expectations. Also, one of my priorities is to take into account safety in our projects, making sure our company complies with OSHA rules and regulations. I am eager to tackle new challenges, I'm always looking to expand my skill set and contribute to even more complex projects that FGS would deliver.

Jason Welling

TAB 3

Project Approach, Materials and Location of Facility

a. Materials - List

Pressure Sensitive Vinyl

3M™ Controltac™

 Calendered vinyl

Static Cling

 **Concept® 208** Static Clean Vinyl Clear
Concept® 207 Static Clean Vinyl White

Overlaminates

3M™ SCOTCHCAL OVERLAMINATE™

Banners

 13 Oz Scrim Banner
 18 Oz Double Sided
 8 Oz Standard Mesh

Rigid Substrates

 **Coroplast** Corrugated Plastic 4mm - 6mm - 10 mm
An Inteplast Group Company

 **GATOR-BOARD.CC** Gator Board- White- Black

 **InSite® Reveal®** Foam Board- White- Black

maxmetal™ Aluminum Composite

DURATEX Polystyrene

SIHL Backlit Film

ACRYLITE® Acrylic

a. Materials - List

Backlit Film



Backlit Film

Fabrics



Floor Graphics



Floor Graphics

A Frame Signs



Frame A Sign

Magnetics



20 Mil
30 mil

Large Format Posters



3684
TriSolv™ Poster Paper Prime Semi-Gloss 6 mil

3M™ Controltac™ Graphic Film
3M™ Print Wrap Film

Product Bulletin IJ180

Release R, Effective October 2016 (Replaces Q, Oct '15)

Product Description

- For Solvent, UV, and Latex Inkjet printing

Product Features

- Pressure-activated adhesive for easy sliding, tacking, snap-up and repositioning
- Excellent hiding power; flexible; conforms to compound curves, corrugations and rivets
- Many finished graphic constructions can be stretched up to 130% (i.e., a 10 inch [25 cm] piece of film can stretch to 13 inches [33 cm]) without primer or relief cuts and maintain lift resistance; see "Stretchability" on page 6
- Removable with heat and/or chemicals
- Expected Performance Life of 10 years (unwarranted period for unprinted film with no graphic protection, applied to a flat, vertical, outdoor surface)

Quick Links

[3M Graphics Warranties](#)
[Technical Information Selector](#)
[Safety Data Sheets \(SDS\)](#)
[Flammability \(ASTM E84 Reports\)](#)
[Videos](#)

Product Name	Description	Features
3M™ Controltac™ Graphic Film IJ180-10	<ul style="list-style-type: none"> • 2-mil, white, vinyl film with a luster finish 	<ul style="list-style-type: none"> • The original film is optimal for trailer & box truck graphics
3M™ Controltac™ Graphic Film w/Comply™ Adhesive IJ180C-10	<ul style="list-style-type: none"> • 2-mil, white, vinyl film with a luster finish 	<ul style="list-style-type: none"> • The original film is optimal for trailer & box truck graphics using Comply™ Adhesive air release channels for fast, easy, bubble-free installations
3M™ Controltac™ Graphic Film w/Comply™ Adhesive v3 IJ180Cv3-10	<ul style="list-style-type: none"> • 2-mil, white, vinyl film with a luster finish 	<ul style="list-style-type: none"> • The industry go-to film is optimal for trailer & box truck graphics using Comply™ v3 Adhesive non-visible air release channels for fast, easy, bubble-free installations
3M™ Print Wrap Film IJ180mC-10	<ul style="list-style-type: none"> • 2-mil, white, vinyl film with a luster finish 	<ul style="list-style-type: none"> • The industry's go-to film is fine tuned for wraps using Comply™ Adhesive with micro technology non-visible air release channels for fast, easy, bubble-free installations
3M™ Print Wrap Film IJ180mC-114 "Transparent"	<ul style="list-style-type: none"> • 2-mil, clear, vinyl film with a luster finish 	<ul style="list-style-type: none"> • Printable clear wrap film with micro technology non-visible air release channels for fast, easy, bubble-free installations
3M™ Print Wrap Film IJ180mC-120 "Metallic"	<ul style="list-style-type: none"> • 2-mil, metallic silver, vinyl film with a luster finish 	<ul style="list-style-type: none"> • Printable metallic wrap film with micro technology non-visible air release channels for fast, easy, bubble-free installations



a. Materials - Vinyls

3M™ Controltac™ Graphic Film
3M™ Print Wrap Film

Certificate of 3M™ MCS™ Warranty

Graphic manufacturers who produce digitally printed graphics made with all 3M Graphics Products, including 3M Ink purchased through a qualified 3M Distributor or 3M Printing Partner, may register to be recognized with a Certificate of 3M™ MCS™ Warranty. Only graphic manufacturers having a current Certificate of 3M™ MCS™ Warranty are eligible to extend this warranty to their customers.

NOTE: For non-digitally printed Finished Graphics, check your eligibility for the 3M™ MCS™ Warranty by viewing the Warranty Period found within the Product Bulletin or using the warranty selector at www.3mgraphics.com/warranties.

Characteristics

These are typical values for unprocessed product. Processing may change the values.

Physical Characteristics

Characteristic	Value
Material	Cast vinyl
Film Color	Film IJ180, IJ180C, IJ180Cv3, IJ180mC-10: White, opaque IJ180mC-120: Silver Films IJ180mC-114: Clear
Thickness	Without adhesive: 2 mil (0.05 mm) With adhesive: 3–4 mil (0.08–0.10 mm)
Adhesive	Film IJ180: Pressure-activated (slide, tack, snap-up, reposition) Films IJ180C, IJ180Cv3; IJ180mC (all versions): Pressure-activated (slide, tack, snap-up, reposition) with air release channels
Adhesive Color	Film IJ180, IJ180C, IJ180Cv3, IJ180mC-10: Grey IJ180mC-120: Silver Films IJ180mC-114: Clear
Liner	Polyethylene-coated paper
Adhesion, Typical 24 hours after application	ABS 4–5 pounds/inch (0.72–0.89 kg/cm) Acrylic enamel 3–4 pounds/inch (0.54–0.72 kg/cm) Aluminum, anodized 7–8 pounds/inch (1.26–1.43 kg/cm) Aluminum, etched 5–6 pounds/inch (0.89–1.08 kg/cm) Chrome 4–5 pounds/inch (0.72–0.89 kg/cm) Fruehauf pre-painted panels 3–5 pounds/inch (0.54–0.89 kg/cm)
Tensile Strength	5 pounds/inch at 73 °F (0.9kg/cm at 23 °C)
Chemical Resistance	<ul style="list-style-type: none"> Resists mild alkalis, mild acids, and salt Excellent resistance to water (<i>does not include immersion</i>) Resists occasional fuel spills
Flammability	ASTM E84 reports: IJ180, IJ180C, and IJ180Cv3 or go to the On-line Product Catalog at 3Mgraphics.com All other test reports: call 1-800-328-3908

3M™ Controltac™ Print Film Product Bulletin 40C

40C-10R
40C-20R
40C-114R

<p style="text-align: center;">Quick Links</p> <p style="text-align: center;"> 3M Graphics Warranties Technical Information Selector Safety Data Sheets (SDS) Flammability (ASTM E84 Reports) Videos </p>
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Product Description

- For Solvent, Eco-Solvent, UV and Latex Inkjet and Screen Printing
- 3-mil vinyl films

Product Features

- Available in gloss (10R), matte (20R), and transparent luster (114R) finishes
- Includes Comply™ Adhesive for fast, easy bubble-free installations
- Pressure-activated adhesive for easy sliding, tacking, snap up and repositioning
- Removable
- Expected Performance Life (unwarranted period of time)
 - **Most General Signage:** 7 years in a vertical exposure with typical usage.
 - **Indoor Floor Graphics:** 1 year when used in a horizontal indoor exposure with typical usage and protected by [3M™ Scotchcal™ Luster Overlaminat 3645](#)
- **Indoor Floor and Carpet Graphics:** 3 months when used in a horizontal indoor exposure with typical usage and protected by [3M™ Scotchcal™ Luster Overlaminat 8509](#)

Recommended Types of Graphics and End Uses

- General intermediate signage for outdoor and indoor applications
- Interior and exterior building windows and dividers
- Indoor floor and carpet graphics
- Truck graphics on flat or simple curved areas
- Partial vehicle wraps on flat or simple curved areas

i IMPORTANT NOTE

Floor and carpet graphics are for use on indoor floors only. They require the use of overlaminat 3645 or 8509, which provides a slip-resistant surface.

When applying graphics to carpet, it is solely the user's responsibility to be aware of and comply with the Americans with Disabilities Act Standards for Accessible Design, which includes, but is not limited to:

302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 in (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge.



a. Materials - Calendered Vinyl



Calendered Vinyl

Calendered Vinyl

briteline.com

The Briteline IM2201/2203 series is a 3.4 mil white promotional calendered vinyl offered in both a matte or gloss finish. This line has an acrylic based permanent adhesive available in either clear or gray. Compatible with a variety of solvent, eco-solvent, latex and UV curable inks common to wide format digital printing systems, it's the perfect solution for product labels, POP displays, and flat indoor or outdoor signage.

Applications

This line is recommended for outdoor signage, wall murals and POP/tradeshows displays.

Adhesion

15 min Permanent 2.5 lb/in (438 N/m)
 24 hr Permanent 1.5-30 lb/in (263-525 N/m)

Thickness

Film 3.4 mil
 Adhesive 1 mil

Perforation Size

Approx. 0.062 in. (1.6 mm)

Temperature Range

Minimum Application Temperature 50°F
 Service Temperature Range -40°F to 180°F

Expected Exterior Exposure

Unprinted 4 years
 Printed Up to 3 years

Dimensional Stability

<0.030" (0.762 mm)

Surface Gloss

HunterGloss 55 +/- 10 at 60

Storage Stability

2 years from label date when unprocessed
 1 year when processed and stored at 70°F and 50% relative humidity.

Product Series

IM2203-30	Gloss 30" x 150'
IM2203-54	Gloss 54" x 150'
IM2203-60	Gloss 60" x 150'
IM2201-30	Matte 30" x 150'
IM2201-54	Matte 54" x 150'
IM2201-60	Matte 60" x 150'
IM2203GY-3	Gloss 30" x 150'
IM2203GY-54	Gloss 54" x 150'
IM2203GY-60	Gloss 60" x 150'
IM2201GY-30	Matte 30" x 150'
IM2201GY-54	Matte 54" x 150'
IM2201GY-60	Matte 60" x 150'

Recommendations

Completely evaporate inkjet solvents before application. Failure to do so may facilitate solvent penetration resulting in vinyl degradation.

Statement of Practical Use

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose. The products are sold without warranty, either express or implied. The purchaser should refer to Grimco, Inc's price list for terms and conditions of sale, including disclaimer of warranties and limitation of liability.

a. Materials - Static Cling White

Product Bulletin

Concept[®] 208 STATIC CLING VINYL WHITE

Concept^U 208 is a 7.0 mil premium white highly plasticized flexible calendered vinyl film laminated to a 90# lay flat liner. This film is designed to accept a variety of solvent-based inkjet, UV curable and latex inks common to wide format digital printing systems.

Applications	Concept ^U 208 is designed for window decals, temporary product markings, point of purchase displays and protective masking.		
Substrates	Static cling vinyl is designed for temporary application to glass. It may also function adequately on other smooth, clean surfaces such as metal and plastics. Thoroughly test this product when applying to painted surfaces. Hazing may develop on the painted surface with extended exposure to static cling vinyl.		
Temperature Ranges	Minimum application temperature	40°F.	
	Service temperature range	20°F to 200°F.	
Application Techniques	The surface must be clean, smooth and as close to room temperature as possible. Cold surfaces reduce the cling of the vinyl. Small decals may be applied dry. Large decals should be applied by wetting the substrate and the decal with glass cleaner. Use a roller to smooth the decal onto the substrate.		
Appearance	Highly plasticized static cling vinyl may develop a surface haze. Usually haze will dissipate after the decal is applied. A thorough evaluation of this product is recommended before production.		
Expected Exterior Exposure	Concept 208 ^U is used for temporary applications to exterior glass, up to 3 months. Temperature, wind and rain may also limit the bond of static cling vinyl to exterior windows.		
Storage Stability	3 months. Excessive heat over 75 ° F. and humidity over 50% increases the rate of plasticizer migration. These factors could affect printability and ink adhesion.		
Product Code	208-27	(27" X 75' roll)	
	208-54	(54" X 75' roll)	208-5415 (54" X 150' roll)
	208-60	(60" X 75' roll)	208-6015 (60" X 150' roll)
Recommendations	Completely evaporate inkjet solvents before application. Failure to do so may facilitate solvent penetration resulting in vinyl degradation.		



*Manufacturer of Pressure Sensitive Films,
Traffic Graffiti Floor Advertising Films,
Custom Coatings and Printing Inks.*

309 S. Union • P.O. Box 158 • Sparta, Michigan 49345 • (616) 887-7387 • (800)253-3664 • FAX (616)887-0537
Web Site: www.generalformulations.com • e-mail: gfiinfo@generalformulations.com

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose. The products are sold without warranty, either express or implied. The purchaser should refer to General Formulations, Inc's Price List for Terms and Conditions of Sale, Including Disclaimer of Warranties and Limitation of Liability.

a. Materials - Static Cling Clear

Product Bulletin

Concept[®] 207 STATIC CLING VINYL CLEAR

Concept^U 207 is a 7.0 mil premium clear highly plasticized flexible calendered vinyl film laminated to a 90# lay flat liner. This film is designed to accept a variety of solvent-based inkjet, UV curable and latex inks common to wide format digital printing systems.

Applications	Concept ^U 207 is designed for window decals, temporary product markings, point of purchase displays and protective masking.
Substrates	Static cling vinyl is designed for temporary application to glass. It may also function adequately on other smooth, clean surfaces such as metal and plastics. Thoroughly test this product when applying to painted surfaces. Hazing may develop on the painted surface with extended exposure to static cling vinyl.
Temperature Ranges	Minimum application temperature 40cE. Service temperature range 20°F to 200°F.
Application Techniques	The surface must be clean, smooth and as close to room temperature as possible. Cold surfaces reduce the cling of the vinyl. Small decals may be applied dry. Large decals should be applied by wetting the substrate and the decal with glass cleaner. Use a roller to smooth the decal onto the substrate.
Appearance	Highly plasticized clear static cling may develop a surface haze. Usually haze will dissipate after the decal is applied. Although clear static cling is exceptionally transparent, flow lines may be visible to varying degrees. A thorough evaluation of this product is recommended before production.
Expected Exterior Exposure	Concept 207 ^U may be used for temporary applications to exterior glass, up to 3 months. Temperature, wind and rain may also limit the bond of static cling vinyl to exterior windows. Clear static cling can yellow with prolonged exposure to UV radiation.
Storage Stability	3 months. Excessive heat over 75°F. and humidity over 50% increases the rate of plasticizer migration. These factors could affect printability and ink adhesion.
Product Code	207-27 (27" X 75' roll) 207-54 (54" X 75' roll) 207-5415 (54" X 150' roll) 207-60 (60" X 75' roll) 207-6015 (60" X 150' roll)
Recommendations	Completely evaporate inkjet solvents before application. Failure to do so may facilitate solvent penetration resulting in vinyl degradation.



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a. Materials -Overlaminates

3M[®] Scotchcal[®] Overlaminates

Conformable Vinyl Graphic Protection

Features	Advantages	Benefits
Flexible, 2-mil cast vinyl film	Highly conformable	<ul style="list-style-type: none"> Fast, easy application Conforms to complex curves and deep channels
3M [®] MCS [®] Warranty ¹	Ensures most comprehensive warranty	<ul style="list-style-type: none"> Assurance of reliable performance Full graphic coverage
3M Performance Guarantee ²	Rigorously tested with 3M films and authorized inks and printers	<ul style="list-style-type: none"> Limited product warranty when using 3M films and 3M or approved non-3M inks

¹Overlaminates 8518 is not covered under the 3M[®] MCS[®] Warranty

²Overlaminates 8914 is not covered under the 3M Performance Guarantee



3M[®] Scotchcal[®] Gloss Overlaminates 8518

Overlaminates 8518 provides a glossy paint-like finish optimized for the fast-growing vehicle wrap market. Its superior conformability characteristics ensure fast and easy application in deep channels and over complex curves. Overlaminates 8518 is designed specifically for use with digitally printed graphics and has limited warranty coverage under the 3M Performance Guarantee.

3M[®] Scotchcal[®] Luster Overlaminates 8519

Overlaminates 8519 is 3M's workhorse cast vinyl overlaminate. It is an extremely versatile overlaminate and is an excellent choice for almost all graphic applications. It offers optimum performance in fleet applications and bus wraps, where conformability over rivets, corrugation, and complex curves is critical and where glare can be a concern. Graphics made with all 3M components, including overlaminate 8519, have full coverage and warranted durability up to 5 years under the 3M[®] MCS[®] Warranty and limited warranty coverage under the 3M Performance Guarantee.

3M[®] Scotchcal[®] Matte Overlaminates 8520

Overlaminates 8520 is the matte-finish version of overlaminate 8519. It has the same conformability and durability characteristics and is ideal for use indoors or outdoors where a flat sheen or minimal glare is required.

3M[®] Scotchcal[®] Optically Clear Overlaminates 8914

Overlaminates 8914 is a cast vinyl overlaminate with a special film and adhesive construction that allows optimal clarity when used in conjunction with 3M[®] Scotchcal[®] Perforated Window Graphic Films. It matches well with either overlaminate 8518 or overlaminate 8519. Graphics made with all 3M components, including overlaminate 8914, have full coverage and warranted durability up to 5 years under the 3M[®] MCS[®] Warranty.

Warranty and Limited Liability

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: all 3M products are warranted to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in Product Bulletins 8518, 8519, 8520, 8914. Also see the Graphics Market Center Warranty Brochure, which gives the terms, additional limitations of the warranty, if any, and limitations of liability.

3M, MCS and Scotchcal are trademarks of 3M Company.

3M[®] Scotchcal[®] Overlaminates

Product Number	Product Bulletin Number ¹	Finish	Expected Durability (Exterior)	Warranty ²			Standard Sizes		Liner
				Basic Product Warranty	Performance Guarantee	3M [®] MCS [®] Warranty	Width (Inches)	Length (Yards)	
8518	8518	Gloss	Up to 3 years	✓	✓		48.5, 50, 54	50, 100	Paper
8519	8519/8520	Luster	Up to 5 years	✓	✓	✓	36, 48.5, 54, 60	75, 150, 300	Paper
8520	8519/8520	Matte	Up to 5 years	✓	✓	✓	36, 48.5, 54, 60	75, 150, 300	Paper
8914	8914	Optically Clear Gloss	Up to 2 years	✓		✓	36, 48, 54	50	Polyester

¹Refer to the overlaminate's Product Bulletin for general product information.

²Refer to the Product Bulletin for the base film on which the overlaminate is used for complete warranty details.



Graphics Market Center

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St. Paul, MN 55144 USA
General Info: 1-800-374-6772
Product Info: 1-800-328-3908
www.3Mgraphics.com

3M Canada

PO Box 5757
London, Ontario
Canada N6A 4T1
1-800-265-1840

3M México S.A. de C.V.

Av. Santa Fe No. 55
Col. Santa Fe, Del. Alvaro Obregón
México D.F. 01210
52-55-52-70-04-00

3M Puerto Rico, Inc.

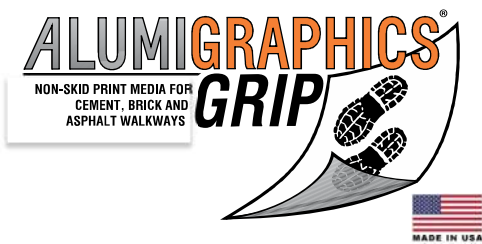
Puerto Rico Industrial Park
PO Box 100
Carolina, PR 00986-0100
787-620-3000

Fax-on-Demand US/Canada 1-800-364-0768 or Intl 651-732-6506

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75-5100-2475-7

a. Materials - Floor Graphics



REVOLUTIONARY FOIL-BASED Print Media for OUTDOOR & RIGID INDOOR FLOOR GRAPHICS



- Unlike Any Other Material**
- No Overlaminates Needed
 - End User Friendly Installation
 - Superior Slip-Resistance
 - Long-Term Outdoor Durability



One-step, durable material for graphics on outdoor + rigid interior walkways shopping malls, grocery & convenience stores, restaurants, hotels, airports, amusement parks, stadiums, universities, and hospitals

	Problems with Other Outdoor Floor Graphic Materials	Problems Solved with AlumiGraphics Grip
Material	Two-part structure consisting of base film + overlaminates or flimsy vinyl / fabric films. Combining incompatible or inferior materials.	No overlaminates needed, print direct to slip-resistant surface with PSA. Meets international non-slip and non-burn characteristics, plus eco-friendly.
Production	Two part production process involves more time and labor. Must wait for inks to cure prior to lamination, takes up space, and risk of wrinkles, requiring reprint.	No waiting, One material that is compatible with solvent, eco-solvent, latex & UV wide format printers. Cut-to-shape with 60° blade.
Image Quality	Vinyl overlaminates can reduce resolution, image quality and cause muted colors.	Non-obstructed, crisp surface print.
Installation & Removal	Challenging to apply smoothly without wrinkles and/or air bubbles. Requires experienced installers to apply & remove typically with heat gun.	End users can install and remove with ease and no special equipment. Typically leaves no residue.
Durability	Life expectancy is short term up to 3 months. Easily tears, stretches, and disfigures. Deteriorates with exposure to environment.	Foil is very durable. Life of printed & installed graphics outdoors is 1 year (based on solvent inks). Indoor use, UV & latex inks last longer.
Summary	Problems = time consuming, more labor to produce, difficult to apply & remove, varying degree of qualities & adhesives, and inferior durability.	Benefits = time savings realized with faster production & installation plus unmatched durability resulting in cost savings, value and eco-friendly.

SIMPLE • DURABLE • RELIABLE

Manufactured in the United States by
FLOOR SIGNAGE, LLC
 PIONEERING DIGITAL PRINT MEDIA FROM THE GROUND UP!



a. Materials - Banner Material 13 Oz.



Physical Properties Data Sheet

Article name: *13 oz (1000D x 1000D / 9 x 9) PVC Banner Matte / Gloss, Print Side In			
Description: DURATEX 13oz Scrim Vinyl Banner			
Sample sheet : Attached			
Physical Properties	Data	Unit	test method
Unit Weight	440±20	g / M ²	DIN EN ISO 2286-2
Polyester Fabric Yarn (W/F)	1000D x 1000D / 9 x 9	Denier/fd per inch	DIN EN ISO 2060
Tensile Strength Warp/Woof	1340(Warp)	N/ 5cm	DIN 53354
	1215(Woof)	N/5cm	
Tearing Strength Warp/Woof	331(Warp)	N/5cm	DIN 53363
	222(Woof)	N/5cm	
Caliper, mm / mil	0.375 ± 0.01	mm	
	14.8 ± 0.4	mil	
Opacity %	20.00%		HLD2009
Color of PVC Banner / Front side (L*, a*, b*)	L = 93.39		CM-2500d
	a=0.25		
	b = -0.16		
Notice: The Product Color Difference Of Each Batch : The ΔE Value should less than 1.0.			
The product working temperature range from -20 °C / -4 °F to +70 °C / +158 °F			
Fungal Resistant	Except medical usage	Treated	ASTM G21
Flame Retardant	Normal	Treated	NFPA-701
Environmental Condition: Ambient~24°C/44%RH			

a. Materials - Banner 18 Oz - Double Sided



18oz Double-Sided Banner

Product Description

Duratex 18oz Double-Sided Banner is an economical choice for outdoor applications of one year or less.

Physical Properties

- Caliper: 13 mil
- Denier: 1000 x 1000
- Weight: 18oz/sq yd
- Flame Resistance: Standard
- Weave: 9x9

Features/Benefits

- Heavy duty scrim reinforcement
- Tough tear-resistant base
- Can be grommeted or sewn
- 100% opaque blockout liner
- Two side printable
- Matte finish

Product Applications

- Double-sided banners
- Front-lit signage
- Outdoor displays
- Building signs

Storage & Handling

Materials should be handled with white fabric gloves to prevent finger markings. After printing, unused materials should be stored upright or suspended in its original packaging. Limited one year warranty when stored at 70°F, 50% relative humidity and out of direct sunlight in its original packaging.

Installing

This product can be grommeted for applications. Metal grommets should be inserted to penetrate 2-4 layers of materials for increased strength and durability.

Trimming

It is recommended, when trimming this material to allow about 0.125-0.25" of white/unprinted border. It is not recommended to "bleed trim" this material.

Printer Compatibility

Compatible with most Solvent, Eco-Solvent, Latex and UV curable inkjet printers.

Product Information

Size

- 38" x 164 ft.
- 54" x 164 ft.
- 63" x 164 ft.
- 80" x 164 ft.
- 106" x 164 ft.



8oz Standard Mesh

Product Description

Duratex Standard Mesh is a lightweight mesh material for windy areas. The mesh weave minimizes wind-resistance and allows air to pass through the material.

Physical Properties

- Caliper: 17 mil
 - Denier: 1000 x 1000
 - Weight: 8oz/ sq yd
 - Air Floating Rate: 70/30
 - Flame Resistance: NFPA 701
 - Weave: 12 x 12
-

Features/Benefits

- Uniform Pattern
 - Tough tear-resistant base
 - Excellent wind flow
 - Can be grommeted or sewn for rotating light box application
-

Product Applications

- In-store signage
 - Building wraps
 - Outdoor signage and displays
-

Storage & Handling

Material should be handled with white fabric gloves to prevent finger markings. After printing, unused material should be stored upright or suspended in its original packaging. Limited one year warranty when stored at 70°F, 50% relative humidity and out of direct sunlight in its original packaging.

Installing

This product can be grommeted for indoor or outdoor banner applications. Metal grommets should be inserted to penetrate 2-4 layers of materials for increased strength and durability.

Trimming

It is recommended that when trimming this material to allow about 0.125-0.25" of white/unprinted border. It is not recommended to "bleed trim" this material.

Printer Compatibility

Compatible with most Solvent, Eco-Solvent, Latex and UV curable inkjet printers using mesh kits.

Product Information

Size

- 98" x 164 ft.
- 126" x 164 ft.
- 126" x 330 ft.
- 196" x 164 ft.
- 196" x 330 ft.

a. Materials - Corrugated Plastic

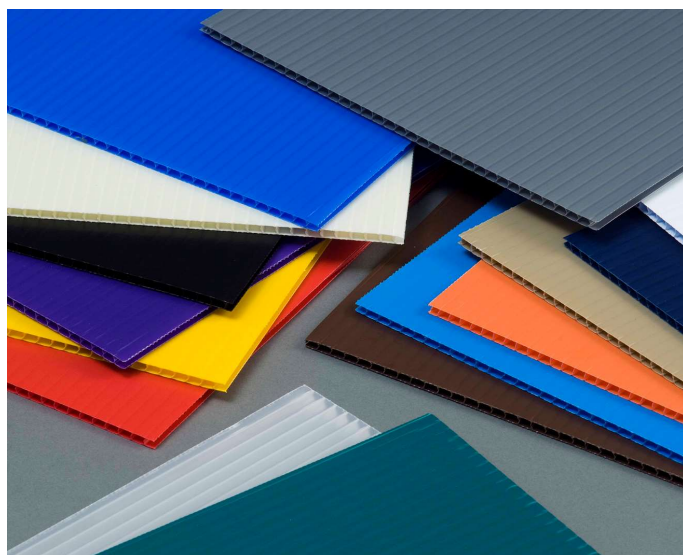


Coroplast® Print

Coroplast® is the trusted name for corrugated polypropylene sheets. Coroplast Print was developed to provide an ideal solution for those looking for a lightweight, economical substrate for tough digital and screen print applications.

Product Description

Corrugated Plastic - Coroplast is a lightweight, durable sheet consisting of three parts. The outside facings are manufactured to provide a highly printable graphic surface, while the inside core is produced with specifically arranged flutes to provide maximum strength with minimum weight. This provides a cost efficient, high quality board for your graphic needs.



Features & Benefits

- Lightweight
- Corona treated
- Standard stocked sizes and colors
- Easy to cut, route, die-cut and finish
- Low minimums on custom sizes
- 100% recyclable

Applications

- Point-of-purchase displays
- Trade shows and exhibits
- Construction signage
- Real estate and political signs
- Grocery merchandisers
- Transit advertising
- Convenience store promotions

Grocery merchandisers



Lawn signs



Trade shows & exhibits



Store displays



TEL: 1-800-361-5150
 info@coroplast.com
 www.coroplast.com

OFFICE: 9 Peach Tree Hill Rd., Livingston, NJ 07039
 PLANT: Granby, QC; Vanceburg, KY

Coroplast Print May 2021

a. Materials - Gator Board



White Gatorfoam board is available in different thicknesses from 3/16 inch to 2 inch. Gator Board is a foam board but instead of foam board's paper surface, Gator Board's surface is comprised of a wood fiber veneer. This surface is very tough and puncture resistant. Even the 3/16 inch thickness is resistant to warping, but the 2 inch is extremely warp resistant.

Gatorfoam® is the industry's leading, one-of-a-kind high performance foam board for more than 30 years. It is comprised of extruded polystyrene foam bonded between two layers of wood-fiber veneer. **Made In USA.**

The original and unique, high performance graphic arts board

Excellent reputation for great digital and screen printing

New, bright white facer is the brightest board of its kind

Dent and scratch resistant

Recommended Applications	Recommended Fabrications
P-O-P Displays Medium-term application life	Mounting
Exhibits & Kiosks Medium-term application life	Digital Printing
Framing Long-term application life	Screen Printing
Signage - Interior Medium-term application life	Painting Do not expose core to solvent-based paints
Signage - Exterior Medium-term application life	Saw Cutting
	Routing

Flammability Characteristics.: Gatorfoam Board is combustible



The Gilman Brothers Company

Family Owned and Operated for over 127 Years!

InSite® Reveal® Clay-Coated Paper Faced-Foamboard



InSite® Reveal® is a high-quality paper faced foamboard with a proprietary foam center engineered to retain its thickness. It features a smooth, bright white paper liner with a moisture-resistant clay coating for superior ink and exceptional color gloss.

BENEFITS:

- UL Classified Foam Center
- Engineered with our Proprietary Reveal® Foam Center
- Moisture-Resistant Clay Coating Results in Outstanding Ink & Color Gloss
- Smooth & Lightweight
- UV Stabilized
- Superior Cutting Performance
- Manufactured in the USA

IDEAL FOR:

- POP Displays
- Exhibits & Kiosks
- Signage
- Fabrication
- Framing
- Digital & Screen Printing
- Digital & Knife Cutting
- Routing, Die Cutting & More!

Multiple variations of Black and White

GAUGES: Min: 1/8" Max: 1" **SIZES:** Min: 16" x 20" Max: 60"x192"

Technical-Specifications-Insite

InSite® Reveal® Clay-Coated Paper Faced-Foamboard consists of a polystyrene foam core board between two sheets of bright white clay-coated paper.

Proprietary Reveal® Foam Center: Engineered with our exclusive foam center, the InSite® Reveal® retains its thickness while delivering exceptional performance.

Moisture-Resistant Clay Coating: InSite® Reveal® boasts a moisture-resistant clay coating that ensures superior ink coverage and outstanding color gloss. The coating serves as a protective barrier for mounting applications, reducing adhesive absorption and enhancing the speed of mounting and laminating with a roll laminator.

a. Materials - Aluminum Composite



make it with **maxmetal**

- › **#1 Brand** in the Industry
- › **True** Polyethelene Core (PE) No Fillers
- › **Top Warranty** in the Industry (5 years)
- › **Crafted in Britain** "European Engineered"
- › **Strong** Bonding Adhesive
- › **Extensive** Product Porfolio
- › **High Performance** Polyester (PE) Paint
- › **Stocked** to Service
- › **Backed** by Grimco
- › **Easy** Peel Liner

maxmetal

Product Specification Data



Description

MAXMETAL™ Plus is an aluminum composite material comprised of two, pre-painted .20mm aluminum panels bonded to a solid polyethylene core. It's lighter in weight and more durable than both MDO and aluminum, plus it resists scratching and denting better than wood panels. The finish is ready for vinyl, screen print inks, paint, cutting, or routing.

Product Properties

Weight (Kg/m ²)	3.55
Sound Absorbption NRC	0.05
Sound Attenuation R _w db	24
Water Absorbption % by volume	0.01
Thermal Performance R Values	0.0057
Core Composition	Polyethylene
Flammability BS476	Part 6: Class 0, Part 7: Class 1

Panel Dimensions

Panel Thickness (mm)	3
Aluminum Thickness (mm)	0.20
Standard Sizes:	4'x 10', 5'x 10'

Product Code

MM1053MWPLUS
MM1043MWPLUS

Dimensional Tolerances

Thickness (mm)	-0 + 0.2
Width (mm)	±2
Length (mm)	±3
Diagonal (mm)	±5
Thermal Expansion	2.4mm/m @ 100°C Temp Difference
Aluminum Thickness (mm)	±0.02

Surface Properties

Paint Thickness (micron)	20
Pencil Hardness	>HB
Toughness of Coating	3T
Temperature Resistance	-50°C to +90°C
Impact Strength (kg cm ²)	42
Boiling Water Resistance	Boiling for 2 hours without change
Acid Resistance	Immersed surface in 2% HCl for 24hrs without change
Alkali Resistance	Immersed surface in 2% NaOH for 24hrs without change
Oil Resistance	Immersed surface in 20# engine oil for 24hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	>1000 times without change
Peel Strength	>5 Newton/mm



Statement of Practical Use

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a. Materials - Aluminum Composite



maxmetal

MAXMETAL DP

Optimized for flatbed digital printing. Excellent ink adhesion.

Overall thickness: 3mm
Aluminum skin: 0.15 mm/0.006"
Sides: 2 sides, prepainted
Colors: white
Sizes: 4' x 8', 4' x 10', 5' x 10'

MM843MWDP
 MM1043MW
 MM1053MW

MAXMETAL LITE

Thinner gauge aluminum skins for a more economical solution.

Overall thickness: 3mm
Aluminum skin: 0.12 mm/0.005"
Sides: 2 sides, prepainted
Colors: white
Sizes: 4' x 8', 4' x 10'

MM843MWLT
 MM1043MWLT



 

MAXMETAL ONE

One-sided aluminum skin for one-sided projects.

Overall thickness: 3mm
Aluminum skin: 0.15 mm/0.006"
Sides: 1 side prepainted, 1 side primer white
Colors: white
Sizes: 4' x 8'

MM843MW1S

MAXMETAL HD

For heavy duty applications. Great for fabrication, i.e. bending.

Overall thickness: 3mm
Aluminum skin: 0.30 mm/0.012"
Sides: 2 sides, prepainted
Colors: white
Sizes: 4' x 8', 4' x 10'

MM843MWH
 MM1043MWH

MAXMETAL 6MM

When a thicker, more durable substrate is required.

Overall thickness: 6mm
Aluminum skin: 0.20 mm/0.008"
Sides: 2 sides, prepainted
Colors: white, black
Sizes: 4' x 8', 5' x 10'

MM846MW
 MM846MBK
 MM1056MWDP

MAXMETAL PLUS

A thicker, premium aluminum skin than standard Maxmetal DP

Overall thickness: 3mm
Aluminum skin: 0.20 mm/0.008"
Sides: 2 sides, prepainted
Colors: white
Sizes: 4' x 8', 4' x 10', 5' x 10'

MM843MWPLUS
 MM1043MWPLUS
 MM1053MWPLUS


 

MAXMETAL COLORS

Multiple options for those colorful applications.

Overall thickness: 3mm
Aluminum skin: 0.15 mm/0.006"
Sides: 2 sides, prepainted
Colors: red/yellow, blue/green, black
Sizes: 4' x 8'

MM843MRY
 MM843MBG
 MM843MBK
 MM1053MBKGM




MAXMETAL DECOR

Decorative finishes for sophisticated interior applications.

Overall thickness: 3mm
Aluminum skin: 0.15 mm/0.006"
Sides: Metallic side/white back side
Sizes: 4' x 8'

Brushed Silver (SS) 4' x 8' MM843MBS*
 Brushed Gold (SS) 4' x 8' MM843MBGD
 Mirror Silver (SS) 4' x 8' MM843MMS





MAXMETAL ELEMENT-STEEL

Magnetic receptive surface optimized for flatbed digital printing. For Interior Applications.

Overall thickness: 3mm
Aluminum skin: 0.25 mm/0.010"
Sides: 2 sides, prepainted galvanized steel
Colors: white
Sizes: 4' x 8'

MM843MWEL



 - Digitally Printable

Whether you need a heavy duty aluminum composite panel ready for digital printing or a lightweight, low-cost panel for a temporary sign, **Maxmetal** has you covered. Locally stocked for quick delivery. Supported by trained personnel.

a. Materials - Aluminum Composite



interior warranty / exterior performance guarantee

This Limited Warranty and Performance Guarantee state that MAXMETAL will be free from manufacturing defects including DELAMINATION and finish PAINT FAILURE under normal installation conditions and non-severe weather environments. Routing, bending and direct printing are not covered by this Limited Warranty or Performance Guarantee due to inconsistencies in methods and techniques of application. Extreme weather conditions as well as hanging, welding, painting, cutting and fastening methods may void this Limited Warranty and/or Performance Guarantee. Delamination means product delaminated in normal conditions and not as a result of external factors such as routing, bending or installation method. The paint finish on MAXMETAL may show normal paint degradation or chalking under normal weather conditions and wear and tear. Refer to the Manufacturer’s Fabrication Manual for more information on Safety, Storage and Handling, Visual Consistency and Sawing, Saw Equipment, Routing and Folding , Corner Cutting and Bending, Joining Techniques, Coating, Printing, Cleaning and other technical specifications that may prevent damaging the product and voiding this Limited Warranty and Performance Guarantee during installation and fabrication. Maxmetal product warranty does not include ink and paint and laminate adhesion or the life of these items outside of the manufacturer's parameters.

maxmetal	interior Warranty	exterior performance guarantee
One-Sided	10	5
6mm	10	5
Heavy Duty (HD)	10	5
Lite	5	1
Element-Steel* **	5	0
Digitally Printable (DP)***	10	5
Brushed Silver**	5	1
Brushed/Mirror Gold**	5	0

*Assuming all edges are primed/sealed correctly.
 **Not recommended for exterior use.
 ***Printed UV/Latex inks not included in warranty.

a. Materials - Polystyrene



Polystyrene
Technical Data

Polystyrene

duratexmedia.com

Duratex High Impact Polystyrene products for print and graphics applications being offered by Grimco, Inc are manufactured from the best available materials from suppliers both domestic and international. These products are Manufactured in our Manchester, NH facility. Material certifications of origin, as well as compliance statements are available upon request. Resins, colorants, and additives that comply with 21CFR177.1640 may be available for FDA compliant applications upon request.

The typical values for our Duratex High Impact Polystyrene Products are as follows:

Property	Value
Specific Gravity	1.03 - 1.05
Impact Strength (Izod, notched)	2.3 - 2.8
Deflection Temperature (at 264 psi)	175 - 185
Tensile Strength	2500 - 3500

The Values above are based on outside testing, supplier data, and statements provided by trusted sources on injection molded samples. These values may vary based on the format of samples tested as well as final material composition based on customer requests including color and resin requirements. It is important to note that similar or like values may not be obtained during testing upon finished goods.



Polystyrene

Polystyrene - Print Grade Sheet Specifications

Digital / Litho / Screen Grade

Standard HIPS

Gauge Range:

.010 - .060*
 *Corona Treatment available up to .060 max

Gauge Tolerance:

± .0015" up to .030
 ± 5% on .030 and up

Width Tolerance (TD):

+ 1/16" / max 68", min 16"

Length Tolerance (MD):

+ 1/8" / max 144", min 16"

Square Cut Diagonal Tolerance:

1/16" differential up to 48", over 48"
 add 1/32" per foot up to maximum 1/8"

Lay Flat Tolerance:

± 1/16" from nominal

Double and Dead White Polystyrene

Double White

- Matte / Matte
- Double White - Print White
- Corona Treated both sides - Dyne level of 45-55
- Layflat
- Square cut sheets
- Color Consistency
- Excellent dimensional stability
- Can be printed Offset, Litho, Screen, UV Digital and Flexography.
- Can be Heat bent, die cut, punched, thermoformed and guillotine cut.
- Can be recycled at curbside pickup in most cases. Recycle Code 6*

Dead White

- Matte / Matte
- Dead White - Print White
- .020 & .030 Opaque with Blockout Core
- .040 & .060 Opaque Triple White
- Corona Treated both sides - Dyne level of 45-55
- Lay flat
- Square cut sheets
- Color Consistency
- Excellent dimensional stability
- Can be printed Offset, Litho, Screen, UV Digital and Flexography.
- Can be Heat bent, die cut, punched, thermoformed and guillotine cut.
- Can be recycled at curbside pickup in most cases. Recycle Code 6*

Painted Aluminum Spec Sheet

Painted Aluminum Specification Data

- Material conforms to ASTM B 209
- Aluminum Alloy - 3105-H14/24 or 3003-H14
- Materials are pretreated, primed and coated with a polyester finish
- Standard Finish - Gloss, Matte available
- Standard Stock Gauges: .040, .063, .080
- Other Available Gauges: .024, .032, .050
- Standard Width: 48", 60"
- Standard Length: 96", 120"
- Protective Coating: Vinyl (PVC), Liner (Removable)
- Various colors available

Application

Sign and graphics industry: vinyl receptive, screenprint, UV flatbed*/Latex routable, bendable.
**Results may vary on certain printers*

POP, Channel Letters, Sign Cabinets, Wayfinding, Sign Blanks, Real Estate, Site Signs, Advertising

Storage

Aluminum sheets to be stored flat in a clean, temperature controlled, moisture free environment.

Applicable Test Standards	
Test Method	Description
Viscosity ASTM D4212 (#4 Zahn Cup)	20 to 35 seconds
Weight per Gallon: ASTM D1475	9 to 12 lbs/gallon
Solids by Volume: ASTM D2697	40% to 53%
Solids by Weight: ASTM D2369	55% to 65%
Peak Metal Temperature	420°F to 450°F
MEK Double Rubs: NCCA II - (18)	100
VOC (Theoretical): ASTM D3960	3.5 to 4.5 lbs/gallon
Flash Point: ASTM D3278	125°F
System Dry Film Thickness: NCCA II - (13)	0.6 to 0.7 Mil. Total
Salt Spray 500 Hours: ASTM B117	Creep From Scribe \leq 1/8 inch, Few No. 8 Blisters
Dry Heat 168 Hours, 140°F	No Opening
Humidity 100% RH 1,000 Hours: ASTM D2247	Few No. 8 Field Blisters
Water Immersion 168 Hours 100°F: ASTM D870	No Loss of Adhesion

Properties & Characteristics	
Gloss (60° Head): ASTM D523	20 to 80
Pencil Hardness: ASTM D3363	F to 2H
T-Bend: NCCA II - (19)	0T to IT
Cross Hatch Adhesion: NCCA II - (16)	No Loss of Adhesion
Reverse Impact: ASTM D2794	1 1/2 x Metal Thickness Inch-Pounds, No Loss of Adhesion

800.542.9941 | grimco.com



a. Materials - Acrylic

ACRYLITE®

It is an impact modified acrylic sheet product developed specifically to meet the unique needs of the sign industry. What sets it apart from standard acrylic is its impact strength, which translates into reduced breakage during production, shipping, and installation.

It's a universal product that works perfectly for any sign application, from channel letters to formed letters and shapes to back-painted signs. In addition to superior strength, it offers easy fabrication, excellent weather-ability, and remarkable color consistency.

When you add it all up, it is the most versatile acrylic sign material on the market, making it the clear choice over other plastics, such as conventional acrylic or polycarbonate.



ACRYLITE® LED sign grade white
Extruded Sheet

WARRANTY

POLYVANTIS Sanford LLC warrants all users that, for a period of 30 years from the date of original purchase, ACRYLITE® LED sign grade (formerly Resist SG) acrylic sheet in colors WRT30 (7328) and WRT31 (2447), manufactured by POLYVANTIS Sanford will not undergo a yellowness index increase greater than 12 when tested in accordance with the procedures specified in ASTM-E-313.*

Not covered under this warranty are yellowing or loss of light transmission caused by dirt, scratches, breakage, or damage to the ACRYLITE® sheet. Also not covered under this warranty are yellowing caused by exposure to incompatible chemicals, sealants or gaskets, storage or use for significant periods at 20°F above ambient, or UV light above the naturally occurring levels or other high energy radiation sources.

THE FOREGOING IS THE SOLE WARRANTY APPLICABLE TO ACRYLITE® SHEET, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES, ARE HEREBY EXPRESSLY EXCLUDED.

The sole liability of POLYVANTIS Sanford in respect of ACRYLITE® sheet shall be the replacement of any sheet found by POLYVANTIS Sanford not to meet this warranty or, at the option of POLYVANTIS Sanford, the refund of the purchase price thereof. POLYVANTIS Sanford shall have no liability under any circumstances for the cost of removal of defective sheet or the installation of replacement sheet, or for damage to property, or for indirect, incidental, or consequential damages.

In order to make a claim under the foregoing warranty, write to POLYVANTIS Sanford LLC, 1796 Main Street Sanford, ME 04073 or write or call your nearest authorized ACRYLITE® sheet dealer. If you write, be sure to include your address and a phone number where you may be reached. A POLYVANTIS Sanford representative will contact you to examine the sheet. At such examination, you will be required to present to the representative a sales slip or other evidence satisfactory to POLYVANTIS Sanford that you purchased the ACRYLITE® sheet within 30 years from the date of your letter or telephone call.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

*American Society for Testing and Materials

**POLYVANTIS
Sanford LLC**

1796 Main Street
Sanford, ME 04073
USA

www.polyvantis.com
www.acrylite.co



ACRYLITE® LED sign grade white | Warranty | 06/24

POLYVANTIS

Backlit Films



Vivalux LTX Backlit Heavy - 8 mil

■ matte 3747

PRODUCT DESCRIPTION

3747 Vivalux LTX Heavy Latex Backlit Film is an 8 mil matte backlit specially formulated for the latex platform. It's ultra-absorbent matte coating is designed to produce maximum image performance, black density, and color vibrancy with HP® latex inks. Vivalux LTX is coated on a premium polyester base that makes it ideal for large displays and lightbox applications.

Physical Properties

Caliper	8 mil
Basis Weight	165 g/m ²
Opacity	> 70
Whiteness	85
Brightness	85

*All values listed are target values

Advantages

- Optimized for HP® Latex Inks
- Durable Matte Coating
- Premium Polyester Base
- Compatible with UV Inks
- Waterproof / Suitable for Outdoor Use

Applications

- Indoor Light Boxes, Menu Boards, Airport Graphics, Museums
- Mall Maps, Trade Shows, Rigid Enough To Drop In

List of printers



Printer	Ink
Hewlett-Packard L25500, L26500, L28500, 260, 280	Latex Inks
Hewlett-Packard DJ L65500	Latex Inks
Hewlett-Packard 280 / 820 / 850	Latex Inks
Hewlett-Packard Scitex LX 600 / LX 800 / LX 820 / LX 850	Latex Inks
Hewlett-Packard 310 / 330 / 360 / 3000	Latex Inks
Mimaki JV 400 -130LX / -160LX	Latex Inks
Ricoh PRO-4160-4C	Latex Inks

*For further information please refer to our website www.sihlinc.com



How to Buy

For additional Sihl Digital Imaging product information, please call 1-800-366-7393 or visit our website www.sihlinc.com where you can also find an authorized Sihl reseller near you.


a. Materials - Fabrics



Fisher Textiles is the leading supplier of fabric for digital printing in North America. We offer an extensive range of award-winning knit and woven fabrics for dye sublimation, UV, Latex and Solvent printing up to 197” inches wide.

Our capital investment of inventory and four warehouse locations allow us to full just-in-time requirements. We stand behind our products and take pride in providing the best fabrics in the digital printing industry.

Geometric Stretch Display




Engineered stretch fabrics for tensioned shapes and structures.

Exhibit Graphics




Durable fabrics that are easy to transport for dramatic exhibits.

Outdoor




Weather resistant fabrics that are long lasting and easy to clean.

Backlit




Specially developed fabrics for light dispersion that produce impressive displays.

Banner Indoor



Unique fabrics for indoor soft signage and point of purchase displays.

Banner Outdoor



Durable fabrics for outdoor banner and street pole applications.

Silicone Edge Graphics



Frontlit and backlit fabric options for SEG with easy install.

Fine Art Canvas



Artist canvases for wall murals and fine art reproductions.

Flag



Fabrics with a nice drape and weather durability.

Fisher

TEXTILES

the fabric of success

ET 9410 Soft Knit - Dye Sublimation Printable

Width: 126"


Weight: 5.2 oz/yd2 (180 g/m2)

Construction: Warp Knit

Flame Retardancy: NFPA 701

Suggested Applications: Banners - Indoor, Exhibit Graphics, Home Furnishings, Photographic Back Drops, Retail Displays, Silicone Edge Graphics, Table Covers

Description: ET 9410 Soft Knit is made from 100% post-consumer recycled polyester and has a better white point than traditional textiles made from post-consumer waste. It contains 32.9 recycled 500ml water bottles per linear yard. This fabric is extremely wrinkle resistant and soft. It is the best economical graphic for retailers on tight budgets, with frequent change outs and a strong sustainability culture. Using recycled polyester keeps plastic PET bottles out of landfills, reduces energy consumption and conserves petroleum resources used to produce virgin polyester. This fabric is comparable to our GF 4010 Soft Knit, also referred to as Celtic Cloth. It has great definition and presents a very high-quality print. Click the button below to request a sample of ET9410 Soft Knit.



GF 4010 Soft Knit - Dye Sublimation Printable

Width: 126"


Weight: 5.2 oz/yd2 (175 g/m2)

Construction: Warp Knit

Flame Retardancy: NFPA 701, Title 19, Class A

Suggested Applications: Banners - Indoor, Exhibit Graphics, Home Furnishings, Photographic Back Drops, Retail Displays, Silicone Edge Graphics, Table Covers

Description: GF 4010 Soft Knit is 100% Polyester and is commonly referred to as Celtic Cloth. This wrinkle resistant fabric has great definition and presents a very high-quality print. It is an alternative to our popular GF 4017 Soft Knit fabric. Under ASTM E84, it meets Class A, Flame Spread Index 25 or less and Smoke Developed Index 450 or less. Click the button below to request a sample of GF4010 Soft Knit.



a. Materials - Plastic A Frame



Signicade®



HOLDSTWO
24" x 36"
SIGNS

- All plastic sign stand - display two signs per unit.
- Recessed sign area helps to protect sign faces and can receive vinyl sheeting (with surface preparations), metal, or plastic sign blanks.
- Can internally weight with 10 lbs. of dry sand.
- Molded-in handle for easy portability.
- Stacking lugs keep stacked units from sliding.
- Hinges lock in open position. - prevents over-extended sign faces
- Made in the U.S.A.



Sign	Signicade®
Dimensions	25" W x 45" H
Blank Size	24" x 36"
Colors	White, Black, Yellow, Orange, Red, Green, Blue
Weight	18 lbs.

Common FAQ's

1. **How do I get replacement parts?** Contact the distributor or Sign Shop where you purchased our products to get replacement parts.
2. **What should I do if I need replacement parts, but don't know where the product was purchased?** Call Plasticade Customer Service at 800-772-0355.
3. **Are your products made from post consumer recycled materials?** Our USA made rubber products are manufactured from post-process and post-consumer tire rubber.
4. **What is your warranty?** Plastic products have a 30-day limited warranty and rubber products have a 1 year limited warranty. Both cover manufacturer defects only. Damage caused by improper installation, use, or care is the responsibility of the user. This warranty does not include replacement for normal wear and tear. This warranty does not extend to any non-plastic or rubber components that may be part of the products. If a product fails during normal use within the warranty period due to a manufacturer defect, we will replace it at no charge.
Please contact the distributor or Sign Shop where you purchased the product to ask for a replacement.
5. **Can I get high resolution photographs of your products?** Yes, our [Resource Library](#) has links to download photographs of all of our products.
6. **Is there a date code on the product?** Our products have an identification stamp with the month and year it was produced. Look on the bottom or interior of the product for a stamp.



a. Materials - Magnetic

Flexible Magnetic Sheeting



For more information scan with your smart-phone's QR reader.



800.258.0991
sales@magnummagnetics.com
magnummagnetics.com

Superior holding power.

- Magnum® flexible magnetic sheeting is a thermoplastic, permanent magnetic product.
- High-intensity, multi-pole magnetic arrangement.
- Superior holding power on most metallic surfaces.
- Standard magnetization on the non-laminated side of the flexible sheeting.
- Custom magnetization upon request.

Meeting your demands.

- Available in standard roll lengths of 25 feet (7.62 m), 50 feet (15.24 m), 100 feet (30.48 m), and 200 feet (60.96 m) up to 24 3/8 inches (619.1 mm) wide.
- Custom length rolls are also available.
- You can rely on Magnum® brand sheeting to lay flat.
- Wide variety of vinyl, paper and specialty film surfaces to accommodate different printing processes.
- A variety of adhesive options.
- Die-cutting, slitting, punching, and other custom sizes and shapes available.
- Gloss, matte, and color options available.
- Excellent print quality on screen, flexo, digital, inkjet, offset, hot stamp, litho and more.



★ Quality Made in the USA ★



The Force in Flexible Magnetics.

801 Masonic Park Road • Marietta, OH 45750
International: 740.373.7770 • Fax: 740.373.2880

Utopia paper is Forest Stewardship Council (FSC) certified, Green Power, made from 30% post-consumer recovered fiber. Inks used are up to 27% Vegetable oil content 1% voc. Printing plates are Chemistry Free.

a. Materials - Magnetic

Product Specifications

Product	Minimum Total Thickness*	Minimum Magnetic Pull/lbs. per sq. ft. (kg per m ²)**	Approx. Shipping Wt./ per 200 sq. ft. roll (18.58 m ² roll)
12 mil (.30 mm) White Matte Vinyl	14 mil (.36 mm)	30 (146)	50 (23 kg)
12 mil (.30 mm) High Gloss Vinyl	14 mil (.36 mm)	30 (146)	50 (23 kg)
12 mil (.30 mm) Uncoated	10 mil (.25 mm)	30 (146)	45 (20 kg)
12 mil (.30 mm) Indoor Adhesive with liner	15 mil (.38 mm)	30 (146)	55 (25 kg)
15 mil (.38 mm) White Matte Vinyl	17 mil (.43 mm)	40 (195)	70 (32 kg)
15 mil (.38 mm) High Gloss Vinyl	17 mil (.43 mm)	40 (195)	70 (32 kg)
15 mil (.38 mm) Uncoated	13 mil (.33 mm)	40 (195)	60 (27 kg)
15 mil (.38 mm) Indoor Adhesive with liner	18 mil (.46 mm)	40 (195)	75 (34 kg)
20 mil (.51 mm) White Matte Vinyl	22 mil (.56 mm)	60 (293)	90 (41 kg)
20 mil (.51 mm) High Gloss Vinyl	22 mil (.56 mm)	60 (293)	90 (41 kg)
20 mil (.51 mm) Uncoated	18 mil (.46 mm)	60 (293)	80 (36 kg)
20 mil (.51 mm) Indoor Adhesive with liner	23 mil (.58 mm)	60 (293)	95 (43 kg)
30 mil (.76 mm) White Matte Vinyl	32 mil (.81 mm)	85 (415)	130 (59 kg)
30 mil (.76 mm) High Gloss Vinyl	32 mil (.81 mm)	85 (415)	130 (59 kg)
30 mil (.76 mm) Uncoated	28 mil (.71 mm)	85 (415)	120 (54 kg)
30 mil (.76 mm) Indoor Adhesive with liner	33 mil (.84 mm)	85 (415)	135 (61 kg)

Note: Custom sheeting thicknesses ranging from .007" to .060" (.17 mm to 1.52 mm) and widths are available upon request.
Tolerances: Widths: +/- .03" (.76 mm); Lengths: +/- .06" (1.52 mm) or +/- 1% whichever is greater.
* Minimum thickness includes vinyl, adhesive and release liner, if any.
** Minimum pounds pull at zero air gap based upon standard poles per inch (16 ppi for 12 mil, 15 mil, and 20 mil; 12ppi for 30 mil).
Contact us for information about average pull strengths and the recommended product for your application.

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Applications

- Advertising Specialties
- Automobile Signage
- Architectural Signage
- Bin Markers
- Crafts
- Die-Cutting
- Display Boards
- Graphics
- Hand Lettering
- Hobbies
- Hot Stamping
- Menu Boards
- ...and many more

Weatherability

Magnum® flexible magnetic sheeting performs well in adverse weather (such as rain, sleet and snow), and in temperatures from -15° F to 160° F (-26° C to 71° C).

Typical Physical Properties

- Hardness:** Shore D60
- Specific Gravity:** 3.5
- Shrinkage:** <1.5% @ 158° F (70° C), 7 days
- Tensile Strength:** 700 psi (49 kg/cm2)

Flexibility

At 68° F (20° C), our high-quality magnetic material can be coiled to a 1/2" (12.7 mm) radius without cracking.

Our promise.

Magnum Magnetics provides superior customer service and high-quality flexible magnetic sheet, strip and custom profiles at competitive prices. That's our promise and your assurance of satisfaction from The Force in Flexible Magnetics®.



801 Masonic Park Road • Marietta, OH 45750
International: 740.373.7770 • Fax: 740.373.2880

800.258.0991
sales@magnummagnetics.com
magnummagnetics.com

"The Force in Flexible Magnetics", "Magnum", "Magnum Magnetics" and the "M" and arrow symbol, individually and in combination are U.S. registered trademarks of Magnum Magnetics Corporation.

a. Materials - Large Format Posters

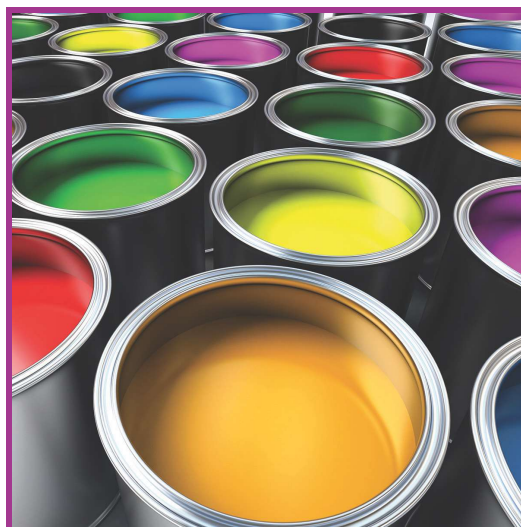


3684

TriSolv™ Poster Paper Prime Semi-Gloss 6 mil

PRODUCT DESCRIPTION

Poster Paper Prime 6 mil is a multi-coated, weatherproof paper with high wet-strength and a semi-gloss finish. This member of the TriSolv family, which is compatible with Solvent, Latex, and UV ink sets, is specifically designed for higher ink loads and richer densities, making it a suitable product for city light/mega light posters. Poster Paper Prime also has very good scratch resistance and good folding endurance, and can be used for both indoor or outdoor advertising, displays, and projects.



ADVANTAGES

- Outdoor Durable Wet Strength Paper
- Water Resistant Surface
- Excellent Color Brilliance
- High Scratch Resistance
- Good Fold Endurance

TECHNOLOGIES

- Solvent
- Latex
- UV



APPLICATIONS

- Advertising for Concerts, Movies, Shop Promotions including City / Mega Light Posters
- High Quality Photo Reproductions & Indoor / Outdoor Advertising

PHYSICAL PROPERTIES

Caliper	6 mil
Basis Weight	135 g/m ²
Whiteness	100
Gloss (60°/85°)	35 / 60
Opacity	>97%

*All values listed are target values

ADDITIONAL INFORMATION

- Available widths: 54" / 63" - 3" core
- For additional product information please call 1-800-366-7393 or visit our website www.sihlinc.com where you can also find an authorized Sihl reseller near you.



b. Proofing Process & Samples

Proofing Process and Samples

Proofs:

- FGS provides PDF color proofs for approval.
- Proofs will include the design and finishing requirements, such as hem, pole pockets, single or double-sided, routing or contour cut, wind slits, white ink or Pantones.
- Prepress will check files for quality and inform the City of Clearwater if they see any noticeable issues with the files.
- The assigned Customer Service Representative will send the PDF proofs along with the order confirmation, via email.
- FGS requires an electronic approval via email (non-verbal) in order to begin production.
- Proofs maybe be low resolution for emailing purposes.

Artwork:

- Florida Graphic Services (FGS) accepts packaged InDesign files, vector Adobe Illustrator/EPS files or press-quality PDF files. If they are not packaged, we require the fonts to be outlined and images embedded.
- Files may be received via FTP, cloud transfer services (Dropbox, Hightail, WeTransfer etc.), email (20MB max.) or in-person.
- Files must be saved in the CMYK document mode for accurate printing. If RGB files are provided, FGS will convert to CMYK, this can effect colors drastically.
- Prepress will handle up to two small corrections on the files provided by the customer at no extra cost, if necessary.
- Physical samples, swatches or Pantone colors should be provided if color matching is required.
- Customer supplied art is typically stored for up to 6 months and may be deleted after that point.
- Should design services be required, our rate is \$75 per hour.

Samples:

- Should the City of Clearwater request samples prior to approval and production, FGS will provide samples free of charge on our standard materials.
- The size of the sample will vary based on the material and order quantity.
- Specialty materials are typically ordered once a job is approved, as a result, samples will have to be provided on a comparable material of our choosing.
- Samples may be scaled-down, a section of the full-size artwork or single color swatches.
- FGS will print two samples, one to remain in-house for reference and one to be provided to the City of Clearwater.

b. Proofing Process & Samples

Sample PDF Proof



W.O.#: 6XXXX-001-ABC
 Size: 24" w x 48" h
 Quantity: 1

Color

- PMS Colors:
- White Ink
 (Magenta layer indicates white ink)

Finishing

- Hem:** 1" 2"
 Top Bottom Left Right
 Other:

Grommets:

- 24" 18" 12" 4-Corners
- Other:

Pole Pockets:

- Top Bottom Left Right
- 1" 2" 2.5" 3" 3.5" 4"
- Other:
- Single-Sided (4/0)
- Double-Sided (4/4)
- Reverse (0/4)
- Contour Cut
- Square Cut
- Routing to Shape
- Wind Slits
- Other:

Note

Please review this proof carefully, making sure size, color and content are correct. Your approval indicates your acceptance of everything shown in the proof. Colors are not an exact representation of final output due to monitor variances. We do not accept any responsibility for files printed incorrectly once approved.
 Approved
 Sign: _____

BACK

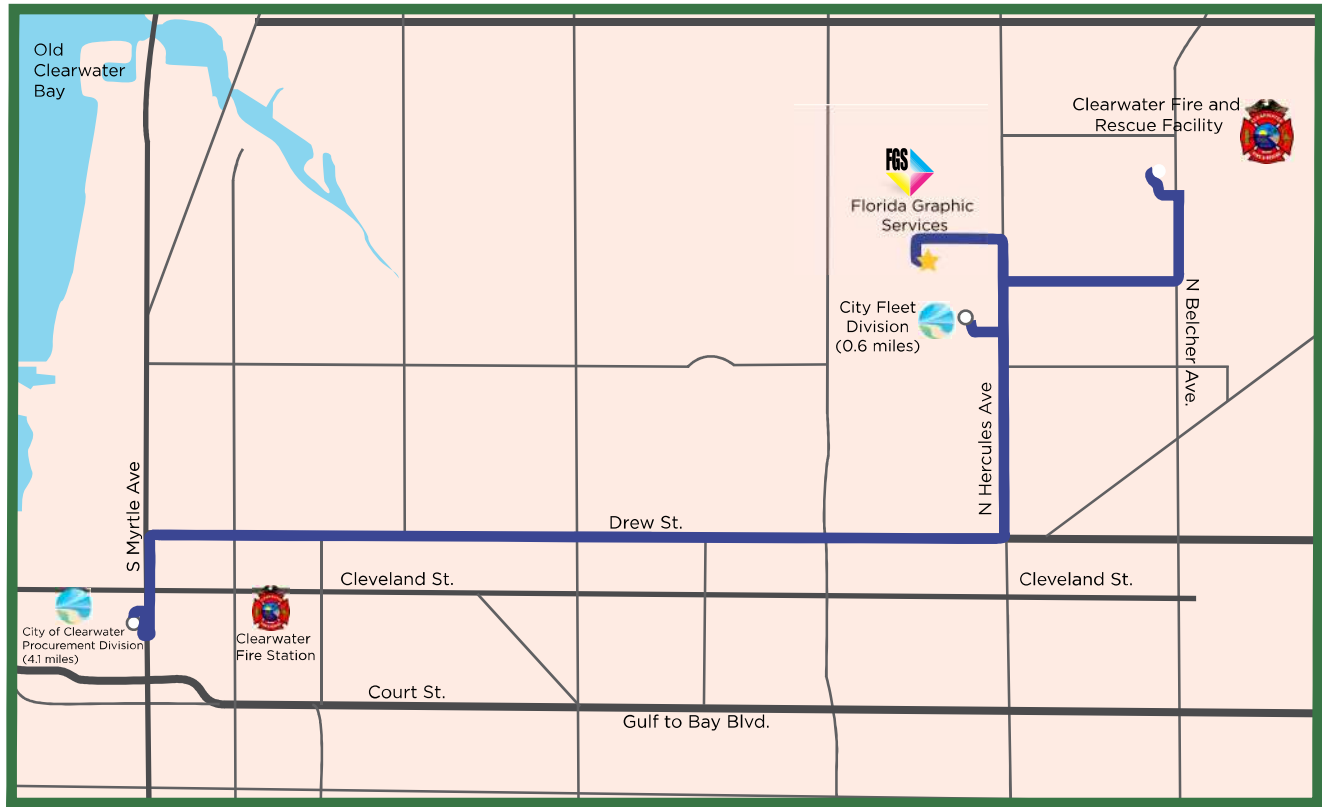


FRONT










c. Location, Facilities & Equipment

FGS Location



Legend

-  Vendor Location
-  Contractor Location
-  Travel Route
-  Larger Streets
-  City of Clearwater
-  City of Clearwater Fire Dept.
-  Florida Graphic Services

c. Location, Facilities & Equipment

FGS Facilities & Equipment

DIGITAL PRINTERS

HP 3000
 Substrates: Unlimited malleable substrates (vinyl, mesh, decal)
 Maximum Stock Size: 126"
 Color process: 6 color, uses latex ink, high resolution and environmentally-friendly



HP 365**
 Substrates: Unlimited malleable substrates (vinyl, mesh, decal)
 Maximum Stock Size: 63"
 Color process: 6 color, uses latex ink, high resolution and environmentally-friendly



EFI GS3250x Pro
 Substrates: Rigid or rolled materials
 Maximum Stock Size: (rolled) and up to 1.25" thick (rigid/flat).
 Color process: 4 color + white UV ink



EFI 32H**
 Substrates: Rigid or rolled materials
 Maximum Stock Size: (rolled) and up to 1.25" thick (rigid/flat).
 Color process: 4 color + white UV ink



Roland EJ-640**
 Substrates: Unlimited malleable substrates (vinyl, mesh, decal)
 Maximum Stock Size: 64"
 Color process: 7 color eco-solvent ink



DGI FT-3204X
 Substrates: Dye sublimation paper
 Maximum Stock Size: 132.6"
 Color process: 4 color dye sublimation ink



Direct Color Systems UV-S3 DIS
 Substrates: Rigid
 Maximum Stock Size: 64"
 Color process: 4 color + White UV ADA Printer



**Indicates multiples

CNC Routers and Cutters

AXYZ 4008
 Digitally controlled milling cutter
 Maximum Cut Size: 59" x 118"
 Cutting of heavy duty rigid substrates (wood, plastic, metal) up to 1" thick



Colex FBC 153**
 Digitally controlled milling, oscillating and drag knife cutter
 Maximum Cut Size: 59" x 118"
 Cutting of rigid and malleable substrates



Fotoba XL 320
 Digitally controlled high performance cutter
 Maximum Cut Size: 30" x 150'
 High speed cutting of various malleable substrates



Graphtec FC8600**
 Digitally controlled contour cutter
 Maximum Cut Size: 54" x 120"
 Extremely precise cutting of various malleable substrates



1351 N. Arcturas Ave., Clearwater, FL 33765 | fgs2.com | 877-447-9780

FGS Facilities & Equipment

Dye Sublimation Heat Transfer

Practix Manufacturing OK-12

Digitally controlled heat transfer press
Maximum Transfer Size: 130" x 150'



Lamination

Megacoat XL63

UV Cured liquid lamination
Maximum Material Size: 60"
Cutting of heavy duty rigid substrates (wood, plastic, metal) up to 1" thick



GFP 255 C

Hot and Cold rolled lamination
Maximum Lamination Size: 54"
Allows lamination of various materials up to 1" thick



Finishing

Highlead GC20698-2 Industrial Sewing Machines



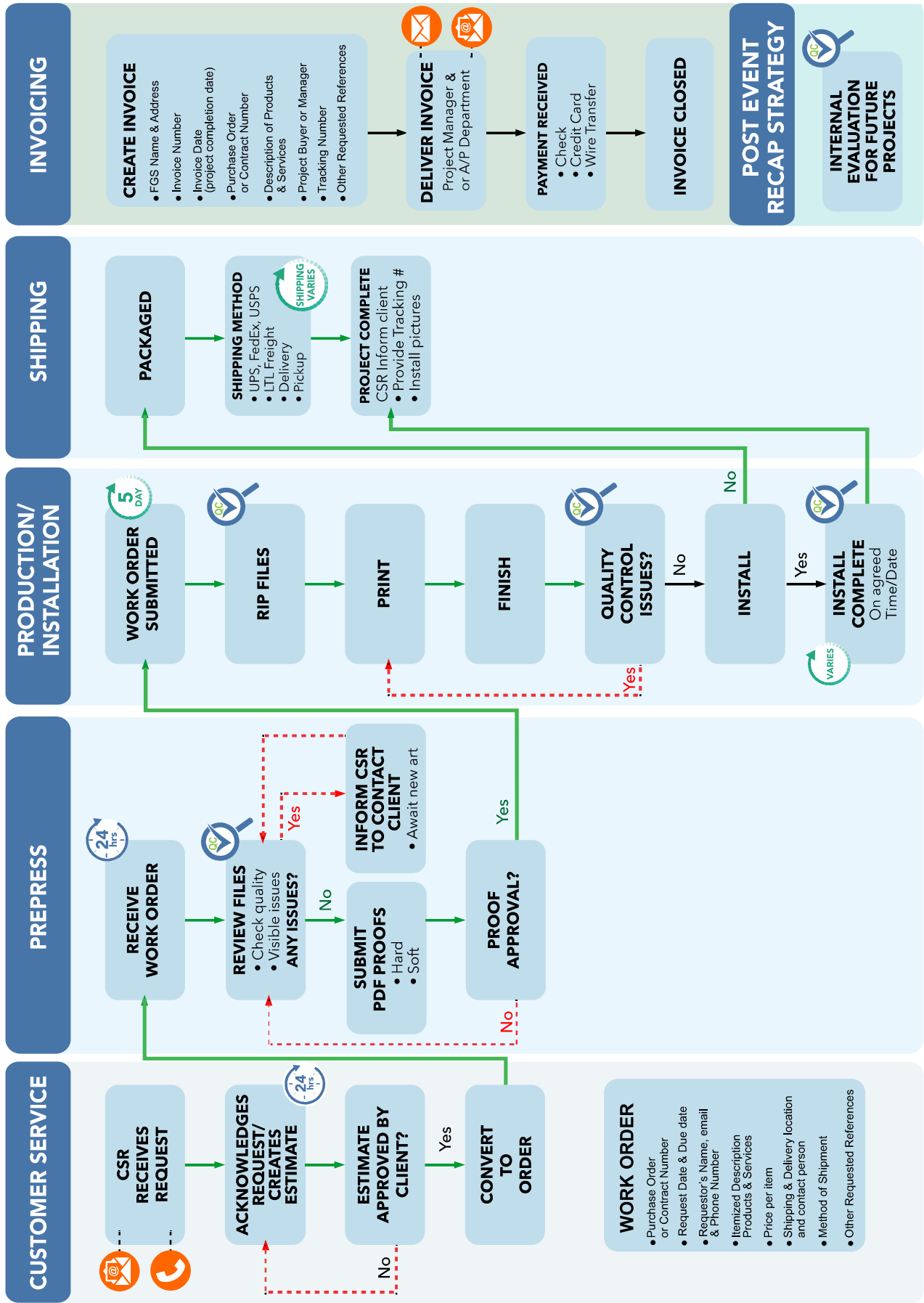
Industrial Spray Paint Booth



Hiker H-308HN Dual Feed Automatic Grommet Press



d. Order Process Invoiceing & Turn Around Time



d. Order Process Invoicing & Turn Around Time

Project Management Software/Tools

Florida Graphic Services utilizes state-of-the-art software and methods for project management and order tracking. The primary tool is a GUI utilizing a SQL backend for order entry and generating production related documents. This system is visible to all members of the administrative, design, and production staff.

Printing and finishing methodologies are detailed and revised as needed. In addition, precise environments are utilized in the creation of a print. These environments are fully documented and stored so that all graphics are consistent over the course of a project, whether it be one day or several months, and can be recalled for cohesive brand representation.

We also utilize redundant quality control systems to ensure delivery of high quality products throughout the execution and completion of a project.

Post-Event Recap Strategy/Practices

For Florida Graphic Services is an ongoing process

Data collection must begin at the beginning of a relationship and for each project and continues throughout the length of the partnership. Compiling information, taking photos and reporting is part of our project execution and evaluation.

Florida Graphic Services customizes reports for each partner

Reports are tailored to the objectives of our customers and to be used to our internal evaluation of the performance of our employees and products regarding quality and efficiency in the production processes.

d. Order Process Invoiceing & Turn Around Time

4 Point Quality Control

Quality Control

Florida Graphic Services utilizes a Four Point Quality Control structure to ensure that every item and product exiting our facility is free of imperfections and meets the high standards that our clients demand. By having multiple levels of redundancy, we ensure that mistakes are caught as early as possible so that they may be corrected quickly to ensure both the quality of product and that project deadlines are met. Our philosophy is that any subpar product is unacceptable and will not be delivered to our customer.

Point 1 – Prepress

Our experienced prepress team checks each image and file individually for artifacts or other errors before sending a job to print. Sizes are double checked and any appropriate bleed is added. Color matching is started here and it is made sure that the colors are applied correctly across the entire image. Every single line item produced is signed off on by the individual prepress worker as fit for print.

Point 2 – Printing

Before a full scale image is produced, several sample swatches are printed on the material to be kept with the printer during the full scale production. Several samples may be printed until exact color matching is achieved. Continuously while the image is being printed, the printer operator is checking for colors against this sample to ensure uniform color and quality throughout the extent of the print. Before the print is started the sizes are again verified twice: as the file is ripped and again on screen before the physical print is made. Any complications at this point are correctly immediately so that the entire production process is no hindered.

Point 3 – Finishing

Great care is taken during the finishing process to ensure that the materials are handled properly and are received in a pristine state by the customer. All details are examined again to verify that the physical product matches the image file. Any specified finishing options are confirmed against the work order and completed with great attention to detail.

Point 4 – Production Management and Project Management

After the final product is complete and before it is packaged it has to be signed off by both the Production Manager and the individual Project Manager. This is the final check that everything is near perfection and completely error free. The production managers are extensively familiar with all production methods and use their experienced eye to make sure that those methods were applied correctly. The project manager has intimate knowledge of the project, product, and expectations of the client. They are the ultimate quality check no item goes out the door without their approval.

d. Order Process Invoiceing & Turn Around Time

Turn Around Time

Quote/Estimate Requests

As required by the City of Clearwater, FGS will respond to a request for Quote within 3 business days from the date of receipt. FGS standard turn around for quote requests for is 24 hours.

Product & Services

Standard turn around time for small orders is 5 working days.

Completion time for large or complex orders shall be agreed in advance with the City of Clearwater project manager.

TAB 4

Cost of the Proposal

a. Cost of the Proposal - Catalog Pricing

Decals/Stickers/Clings

Type	Item	UoM	Unit Price	Notes
Base Material	Permanent Greyback Vinyl	SqFt	\$3.06	
Base Material	3M 180C Controltac	SqFt	\$6.36	
Base Material	3M IJ40C	SqFt	\$5.88	
Base Material	White Static Cling	SqFt	\$4.41	
Base Material	AlumiGraphics	SqFt	\$17.05	
Add-on	Standard Laminate	SqFt	\$1.32	
Add-on	3M8519 Laminate	SqFt	\$3.50	
Add-on	Polycarb Laminate	SqFt	\$2.42	
Add-on	Contour Cut	Unit	\$0.00	Included in price

Non-Vehicle Wraps

Type	Item	UoM	Unit Price	Notes
Base Material	3M 180C Controltac	SqFt	\$6.36	
Base Material	Avery 2611	SqFt	\$5.11	
Add-on	Standard Laminate	SqFt	\$1.32	
Add-on	3M8519 Laminate	SqFt	\$3.50	

Banners

Type	Item	UoM	Unit Price	Notes
Base Material	13oz	SqFt	\$1.89	Includes Hem and Grommets
Base Material	18oz Single Sided	SqFt	\$2.49	Includes Hem and Grommets
Base Material	18oz Double Sided	SqFt	\$3.71	Includes Hem and Grommets
Base Material	8oz Mesh	SqFt	\$2.95	Includes Hem, Webbing and Grommets
Base Material	Dye Sub Soft Knit Fabric	SqFt	\$4.65	
Add-on	Windslits	SqFt	\$0.50	
Add-on	Pole Pockets	SqFt	\$0.50	
Add-on	24" Hanging Hardware	Unit	\$165.00	

Signs

Note: All priced as Single Sided Print

Type	Item	UoM	Unit Price	Notes
Base Material	040 Aluminum	SqFt	\$17.26	
Base Material	0.125" ACM White	SqFt	\$11.41	
Base Material	0.125" ACM Brushed	SqFt	\$18.30	
Base Material	0.1875" Foamboard	SqFt	\$6.02	
Base Material	0.1875" Gatorboard	SqFt	\$14.63	
Base Material	0.5" Gatorboard	SqFt	\$22.05	
Base Material	0.75" Gator board	SqFt	\$34.80	
Base Material	0.125" Coroplast	SqFt	\$2.74	
Base Material	030 Styrene	SqFt	\$4.59	
Base Material	040 Styrene	SqFt	\$5.43	
Base Material	7 Mil Backlit Filmn	SqFt	\$6.69	
Base Material	0.25" Acrylic	SqFt	\$24.19	
Add-on	Automotive Clear Coat	SqFt	\$3.50	
Add-on	H Stakes	Unit	\$1.34	
Add-on	Plastic A Frame	Unit	\$126.03	

a. Cost of the Proposal - Catalog Pricing

Magnetic

Type	Item	UoM	Unit Price	Notes
Base Material	030 Magnetic	SqFt	\$9.87	
Add-on	Die-Cut	SqFt	\$0.00	Included in price

Posters

Type	Item	UoM	Unit Price	Notes
Base Material	Avery 2611	SqFt	\$5.11	
Base Material	Poster Paper	SqFt	\$3.42	

Lanyard/Badge

Type	Item	UoM	Unit Price	Notes
Base Material	Syrene 030	SqFt	\$15.75	
Add-on	Die-Cut	SqFt	\$0.00	Included in price

b. Cost of the Proposal - Installation Services

Installation Rate: \$100.00 per man hour.

c. Cost of the Proposal - Additional Services

Design Work \$75.00 per hour.

Other services available includes : finishing services, fulfilment, special packing, delivery.

c. Cost of the Proposal - Volume Discount

Volume Discounts are available depending on the extend of the project.

TAB 5

Warranty Information

Product's Manufacture's Warranties

Manufacture's warranties and life expectancy for materials for this proposal are provided on Tab 3.

FGS Warranty

FGS warrants that the services and the materials furnished under this contract will conform to the requirements of the agreement. All materials and services furnished will be of high quality and new, unless required or permitted in writing by the City. FGS will provide evidence of the kind and quality of materials and equipment used to manufacture the requested products. Products will be of high quality and free of any defects in workmanship, fabrication and installation for a period of five (5) years from the time of the final inspection and approval of the City

All fastening devices will be durable, suitable for long term use in exposed exterior locations, vandal-resistant, vibration resistant, tamper resistant, and corrosion resistant. The fastening devices and adhesives are warranted for permanent performance under normal conditions.

FGS warrants that all paint finishings, digitally print graphics, protective clearcoatings, and services will be performed in a good, workman-like, and professional manner. The products will be of high quality, free of defects in appearance or application, and will not exhibit excessive fading, non uniformity of color, yellowing, cracking, peeling, or other failures due to defects in materials or workmanship for five (5) years from the time of final inspection approval from the city. This warranty is valid if the products are used under normal conditions, and in accordance with the life expectancy and warranty of the materials manufacturer's (Tab 3) of the City approved materials.

Correction of Work

If any work is found to be defective or not in accordance with the contract requirements within the warranty period, FGS will correct promptly upon receipt of written notice from the City, unless FGS has previously received written acceptance of such a conditions. FGS will warrant repair, removal, re-application, and required materials for a period of five (5) years. Film-material manufacturer's warranty shall be to the full extend of the manufacture's warranty,

Corrections shall be completed at no additional cost to the City and a time convenient to, and mutually agreed upon with the City.

FGS shall remove and properly dispose of, at no additional cost to the City, any portions of the work that are defective or not in accordance with the contract requirements and that are neither corrected by FGS nor accepted by the City.

If FGS does not correct the work within a reasonable time as agreed upon in writing with the City. The City may have the work corrected by an alternate vendor. The cost of these corrections may be deducted for the payments due to FGS.



By: Santiago Jarrin
V.P. Production

TAB 6

References

References

Customer's Company Name: Clearwater Marine Aquarium
 Years services were provided 2004-2024
 CONTINUING SERVICES
 Address 249 Windward Passage
 City, State Zip: Clearwater, FL 33767
 Contact Name: Gary R. Roane
 Phone Number: 727-480-6004
 Email Address groane@cmaquarium.org

Customer's Company Name: HH Associates/Global
 Years services were provided 2012-2024
 CONTINUING SERVICES
 Address: 203 N. Lasalle St. Suite 1800
 City, State Zip: Chicago, Ill 60601
 Contact Name: Kathryn Reynolds
 Phone Number: 727-631-6035
 Email Address: Kathryn.Reynolds@HHGlobal.com

Customer's Company Name: City of Dunedin
 Years services were provided 2018-2024
 CONTINUING SERVICES
 Address 1700 Solon Ave.
 City, State Zip: Dunedin , FL 34698
 Contact Name: Chris Hoban
 Phone Number: 727-733-6728
 Email Address choban@dunedinfl.net



CLEARWATER MARINE
AQUARIUM

September 3rd, 2024
Clearwater Marine Aquarium
Clearwater, FL 33767

Subject: Florida Graphic Services

To Whom It May Concern,

I am writing this letter to state my official recommendation for Florida Graphic Services as a print and print production provider. I have been working with FGS since 2005, working on staff, and am happy to say there are still familiar faces in their management. My relationship with Jordan specifically, is one of the key elements to our facilities success. I can always speak honestly and openly and know that I'll get the same in return, allowing us to juggle the outrageous workloads without fail. The air of professionalism that runs from the top down in their company is a model of efficiency and care that can't be found at other providers in the Bay Area. I'm enclosing a shot of one of our last joint ventures, as they are always spot on.

Sincerely,

Gary R. Roane
Exhibits Manager
Clearwater Marine Aquarium
groane@cmaquarium.org

WE BELIEVE in preserving our marine life and environment while inspiring the human spirit through leadership in education, research, rescue, rehabilitation, and release.

249 Windward Passage | Clearwater, FL 33767 | 727.441.1790 | 727.445.1139 f | SeeWinter.com

A Florida non-profit 501(c)(3) organization

CLEARWATER MARINE
AQUARIUM

RE: Letter of recommendation

It has been a great pleasure working with the very knowledgeable staff at Florida Graphic Services over the past years. FGS has provided great expertise in the field of large format printing and in the substrates that can be printed on. I've challenged them over the years working here at Clearwater Marine Aquarium with our unique building and its structure that is exposed to the elements here in Florida. Together we've solved many problem areas that need to withstand rain, salt water, moisture high traffic areas and created enviro graphics that stand the test. FGS has produced "all" of CMA's exhibit graphics, wayfinding signage, donor plaques and vinyl floor graphics. Production and installation of all these projects has been completed on time and within our budget. What really makes FGS great in my opinion is the relationship they have built with CMA over the years and consulting with us on making the right choices on materials, installation and cost for each project. I highly recommend FGS as a preferred vendor for any clients seeking their resources in large format printing and custom graphics.

Sincerely,



Tyler Rowland
Sr. Art Director
Clearwater Marine Aquarium

WE BELIEVE in preserving our marine life and environment while inspiring the human spirit through leadership in education, research, rescue, rehabilitation, and release.

249 Windward Passage | Clearwater, FL 33767 | 727.441.1790 | 727.445.1139 f | SeeWinter.com

A Florida non-profit 501(c)(3) organization

References - Clearwater Marine Aquarium





hhglobal.com

To Whom It May Concern,

I am writing to recommend Florida Graphic Services for Banners, Wall Graphics, Signage, and Installation projects. I have known Jordan for 6 years as well as worked with FGS for over 12 years and can confidently attest to their character and integrity to make sure each project is completed to the standard requested.

They are my go-to large format printing in Pinellas and because of how reliable they are we have recently started sending them all over the US for RETHEMING print and installation projects fo Merlin Entertainment inlcuding Legoland, Sea Life, Orlando Eye & Madame Toussou.

I have no hesitation in recommending Jordan and FGS for Banners, Vinyl and Signage.

Please feel free to contact me if you require any further information.

Warm regards,

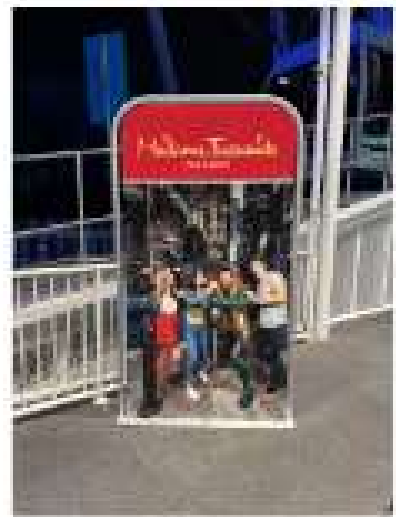
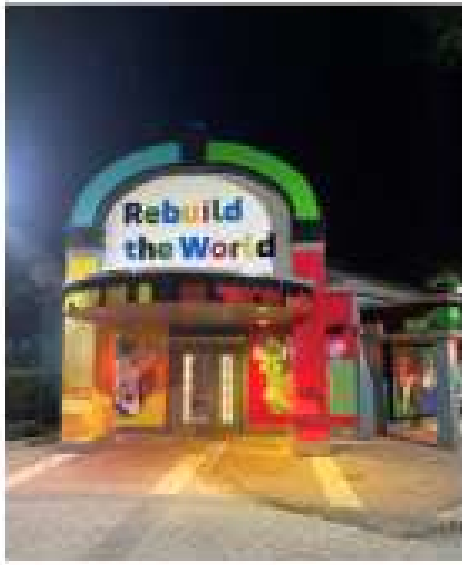
Kathryn Reynolds
Senior Account Manager

m: +1 727.631.6035

e: kathryn.reynolds@hhglobal.com

w: hhglobal.com

References - HH Global- Legoland, Orlando Eye, Sea Life





To whom it may concern:

The City of Dunedin has used Florida Graphic Services for many years for all of our Signs needs for all our Parks.

They have been wonderful to work with and do a great job. We will continue to use them in the years to come.

Chris Hoban
Recreation Coordinator
City of Dunedin
Stirling Park & Driving Range
(727) 733-6728

choban@dunedinfl.net

References - City of Dunedin



References - Projects



TAB 7

Other Forms

EXCEPTIONS / ADDITIONAL MATERIAL / ADDENDA

Proposers shall indicate any and all exceptions taken to the provisions or specifications in this solicitation document. Exceptions that surface elsewhere and that do not also appear under this section shall be considered invalid and void and of no contractual significance.

Exceptions (mark one):

****Special Note – Any material exceptions taken to the City’s Terms and Conditions may render a Proposal non-responsive.**

- No exceptions
- Exceptions taken (describe--attach additional pages if needed)

Additional Materials submitted (mark one):

- No additional materials have been included with this proposal
- Additional Materials attached (describe--attach additional pages if needed)

Acknowledgement of addenda issued for this solicitation:

Prior to submitting a response to this solicitation, it is the vendor’s responsibility to confirm if any addenda have been issued.

Addenda Number	Initial to acknowledge receipt
1	08-15-2024 S. J.

Vendor Name Florida Graphic Services, Inc.

Date: September 5th, 2024

VENDOR INFORMATION

Company Legal/Corporate Name: Florida Graphic Services, Inc.

Doing Business As (if different than above): _____

Address: 1351 N. Arcturas Ave.

City: Clearwater State: Clearwater Zip: 33765

Phone: 727-430-3477 Fax: 727-447-9790

E-Mail Address: Santiago@fgs2.com Website: www.fgs2.com

DUNS # 78-7721164

Remit to Address (if different than above):

Order from Address (if different from above):

Address: _____

Address: _____

City: _____ State: _____ Zip: _____

City: _____ State: _____ Zip: _____

Contact for Questions about this proposal:

Name: _____

Fax: 727-447-9790 Santiago Jarrin

Phone: 727-430-3477

E-Mail Address: Santiago@fgs2.com

Day-to-Day Project Contact (if awarded):

Name: Santiago Jarrin

Fax: 727-447-9790

Phone: 727-430-3477

E-Mail Address: Santiago@fgs2.com

____ Certified Small Business

Certifying Agency: _____

____ Certified Minority, Woman or Disadvantaged Business Enterprise

Certifying Agency: _____

Provide supporting documentation for your certification, if applicable.

VENDOR CERTIFICATION OF PROPOSAL

By signing and submitting this Bid/Proposal/Qualification/Response, the Vendor certifies that:

- a) It is under no legal prohibition on contracting with the City of Clearwater.
- b) It has read, understands, and is in compliance with the specifications, terms and conditions stated herein, as well as its attachments, and any referenced documents.
- c) It has no known, undisclosed conflicts of interest.
- d) The prices offered were independently developed without consultation or collusion with any of the other vendors or potential vendors or any other anti-competitive practices.
- e) No offer of gifts, payments or other consideration were made to any City employee, officer, elected official, or consultant who has or may have had a role in the procurement process for the commodities or services covered by this contract. The Vendor has not influenced or attempted to influence any City employee, officer, elected official, or consultant in connection with the award of this contract.
- f) It understands the City may copy all parts of this response, including without limitation any documents or materials copyrighted by the Vendor, for internal use in evaluating respondent's offer, or in response to a public records request under Florida's public records law (F.S. Chapter 119) or other applicable law, subpoena, or other judicial process; provided that the City agrees not to change or delete any copyright or proprietary notices.
- g) It hereby warrants to the City that the Vendor and its subcontractors will comply with, and are contractually obligated to comply with, all federal, state, and local laws, rules, regulations, and executive orders.
- h) It certifies that Vendor is not presently debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded, or disqualified from participation in this matter from any federal, state, or local agency.
- i) It will provide the commodities or services specified in compliance with all federal, state, and local laws, rules, regulations, and executive orders if awarded by the City.
- j) It is current in all obligations due to the City.
- k) It will accept all terms and conditions as set forth in this solicitation if awarded by the City.
- l) The signatory is an officer or duly authorized representative of the Vendor with full power and authority to submit binding offers and enter into contracts for the commodities or services as specified herein.

ACCEPTED AND AGREED TO:

Company Name: Florida Graphic Services, Inc.

Signature:  _____

Printed Name: Santiago Jarrin

Title: V.P. Production

Date: September 5th, 2024

SCRUTINIZED COMPANIES FORMS

SCRUTINIZED COMPANIES AND BUSINESS OPERATIONS WITH CUBA AND SYRIA CERTIFICATION FORM

IF YOUR BID/PROPOSAL IS \$1,000,000 OR MORE, THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID/PROPOSAL. FAILURE TO SUBMIT THIS FORM AS REQUIRED MAY DEEM YOUR SUBMITTAL NONRESPONSIVE.

The affiant, by virtue of the signature below, certifies that:

- 1. The vendor, company, individual, principal, subsidiary, affiliate, or owner is aware of the requirements of section 287.135, Florida Statutes, regarding companies on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaging in business operations in Cuba and Syria; and
2. The vendor, company, individual, principal, subsidiary, affiliate, or owner is eligible to participate in this solicitation and is not listed on either the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Sector List, or engaged in business operations in Cuba and Syria; and
3. Business Operations means, for purposes specifically related to Cuba or Syria, engaging in commerce in any form in Cuba or Syria, including, but not limited to, acquiring, developing, maintaining, owning, selling, possessing, leasing or operating equipment, facilities, personnel, products, services, personal property, real property, military equipment, or any other apparatus of business or commerce; and
4. If awarded the Contract (or Agreement), the vendor, company, individual, principal, subsidiary, affiliate, or owner will immediately notify the City of Clearwater in writing, no later than five (5) calendar days after any of its principals are placed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Sector List, or engaged in business operations in Cuba and Syria.

[Signature]
Authorized Signature
Santiago Jarrin
Printed Name
V. P. Production
Title
Florida Graphic Services, Inc.
Name of Entity/Corporation

STATE OF Florida
COUNTY OF Pinellas

The foregoing instrument was acknowledged before me by means of [X] physical presence or [] online notarization on, this 5th day of September, 2024, by Santiago Jarrin (name of person whose signature is being notarized) as the V.P. Production (title) of Florida Graphic Services, Inc (name of corporation/entity), personally known [X], or produced (type of identification) as identification, and who did/did not take an oath.



[Signature: Maria Lorena Cabezas]
Notary Public
MARIA L. CABEZAS
Printed Name

My Commission Expires: 02/15/2026
NOTARY SEAL ABOVE

SCRUTINIZED COMPANIES FORMS

SCRUTINIZED COMPANIES THAT BOYCOTT ISRAEL LIST CERTIFICATION FORM
THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID/PROPOSAL.
FAILURE TO SUBMIT THIS FORM AS REQUIRED MAY DEEM YOUR SUBMITTAL
NONRESPONSIVE.

The affiant, by virtue of the signature below, certifies that:

- 1. The vendor, company, individual, principal, subsidiary, affiliate, or owner is aware of the requirements of section 287.135, Florida Statutes, regarding companies on the Scrutinized Companies that Boycott Israel List, or engaged in a boycott of Israel; and
2. The vendor, company, individual, principal, subsidiary, affiliate, or owner is eligible to participate in this solicitation and is not listed on the Scrutinized Companies that Boycott Israel List, or engaged in a boycott of Israel; and
3. "Boycott Israel" or "boycott of Israel" means refusing to deal, terminating business activities, or taking other actions to limit commercial relations with Israel, or persons or entities doing business in Israel or in Israeli-controlled territories, in a discriminatory manner. A statement by a company that it is participating in a boycott of Israel, or that it has initiated a boycott in response to a request for a boycott of Israel or in compliance with, or in furtherance of, calls for a boycott of Israel, may be considered as evidence that a company is participating in a boycott of Israel; and
4. If awarded the Contract (or Agreement), the vendor, company, individual, principal, subsidiary, affiliate, or owner will immediately notify the City of Clearwater in writing, no later than five (5) calendar days after any of its principals are placed on the Scrutinized Companies that Boycott Israel List, or engaged in a boycott of Israel.

Authorized Signature
Santiago Jarrin
Printed Name
V. P. Production
Title
Florida Graphic Services, Inc.
Name of Entity/Corporation

STATE OF Florida
COUNTY OF Pinellas

The foregoing instrument was acknowledged before me by means of [X] physical presence or [] online notarization on, this 5th day of September, 2024, by Santiago Jarrin (name of person whose signature is being notarized) as the V.P. Production (title) of Florida Graphic Services, Inc (name of corporation/entity), personally known _____, or produced _____ (type of identification) as identification, and who did/did not take an oath.



Maria Lorena Cabezas
Notary Public
MARIA L. CABEZAS
Printed Name

My Commission Expires: 02-15-2026
NOTARY SEAL ABOVE

E-VERIFY ELIGIBILITY FORM

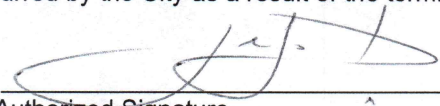
VERIFICATION OF EMPLOYMENT ELIGIBILITY FORM

PER FLORIDA STATUTE 448.095, CONTRACTORS AND SUBCONTRACTORS MUST REGISTER WITH AND USE THE E-VERIFY SYSTEM TO VERIFY THE WORK AUTHORIZATION STATUS OF ALL NEWLY HIRED EMPLOYEES.

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID/PROPOSAL. FAILURE TO SUBMIT THIS FORM AS REQUIRED MAY DEEM YOUR SUBMITTAL NONRESPONSIVE.

The affiant, by virtue of the signature below, certifies that:

1. The Contractor and its Subcontractors are aware of the requirements of Florida Statute 448.095.
2. The Contractor and its Subcontractors are registered with and using the E-Verify system to verify the work authorization status of newly hired employees.
3. The Contractor will not enter into a contract with any Subcontractor unless each party to the contract registers with and uses the E-Verify system.
4. The Subcontractor will provide the Contractor with an affidavit stating that the Subcontractor does not employ, contract with, or subcontract with unauthorized alien.
5. The Contractor must maintain a copy of such affidavit.
6. The City may terminate this Contract on the good faith belief that the Contractor or its Subcontractors knowingly violated Florida Statutes 448.09(1) or 448.095(2)(c).
7. If this Contract is terminated pursuant to Florida Statute 448.095(2)(c), the Contractor may not be awarded a public contract for at least 1 year after the date on which this Contract was terminated.
8. The Contractor is liable for any additional cost incurred by the City as a result of the termination of this



 Authorized Signature
 Santiago Jarrin

 Printed Name
 V. P. Production

 Title
 Florida Graphic Services, Inc.

 Name of Entity/Corporation

STATE OF Florida
 COUNTY OF Pinellas

The foregoing instrument was acknowledged before me by means of physical presence or online notarization on, this 5th day of September, 2024, by Santiago Jarrin (name of person whose signature is being notarized) as the V.P. Production (title) of Florida Graphic Services, Inc. (name of corporation/entity), personally known , or produced _____ (type of identification) as identification, and who did/did not take an oath.



My Commission Expires: 02/15/2026
 NOTARY SEAL ABOVE

Maria Lora Cabezas

 Notary Public
 MARIA CABEZAS

 Printed Name

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
FLORIDA GRAPHIC SERVICES, INC.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC C Corporation S Corporation Partnership Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
1351 N. ARCTURAS AVE

6 City, state, and ZIP code
CLEARWATER, FL 33765

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			-						
--	--	--	---	--	--	--	--	--	--

or

Employer identification number


5	9	-	3	0	5	5	6	7	7
---	---	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶  Date ▶ **01/31/2024**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)
 Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.
If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.