

The goal for good installation is for the graphic to have 100% contact on the intended surface. When properly compressed to the surface, the material will take on the texture of the surface, appearing as a painted image.

BEFORE STARTING:

- VersaGraphics 360 must be firmly compressed to the surface to prevent moisture from getting underneath. This is best achieved by using a hard rubber roller such as a 'J Roller' rather than a squeegee. The roller is better at evenly compressing the material to texture of the surface and sealing the edges without friction, plus it is faster and more end-user friendly than a squeegee.
- VersaGraphics 360 typically does not leave residue, lift paint or damage treated surfaces when the material is removed. High energy surfaces (very smooth), polished, sealed, painted, recently poured / still curing concrete, or that contains additives for aesthetic or composition purposes can potentially cause adhesive residue transfer. Because the quality of materials, method of installation and conditions can vary, we recommend testing by applying a swatch of material direct to the desired surface to determine suitability.

COMPATIBLE SURFACES:

Most floor and wall surfaces, both indoors and outdoors plus windows and countertops

- | | |
|--------------------------------|------------------|
| • Concrete (sealed & unsealed) | • Laminate |
| • Brick | • Linoleum |
| • Pavers | • Vinyl Flooring |
| • Drywall | • Wood |
| • Concrete Masonry Unit (CMU) | • Terrazzo |
| • Short Pile Carpeting | • Metal |
| • Tile | • Glass |

There are some situations which are beyond control such as the condition, structural and material composition of a surface; therefore no guarantee for successful application or removal on all surfaces can be made. Testing samples on the actual surface is highly recommended. The user is responsible for determining the product's suitability, including adhesion and if needed, removal characteristics.

NON-COMPATIBLE SURFACES:

- Concrete, brick and other rigid materials that is cracked, broken or porous, allowing water vapor to permeate or be transmitted from within and become trapped between the exterior and the adhesive backing of the material. On these surfaces, freeze/thaw cycles can accelerate moisture transmission.
- Locations that are frequently wet or submerged such as near irrigation or watering systems.
- Surfaces with oil or gas residue.
- Stone and stucco surfaces that are heavily textured or with sand / grit such.
- Locations with vehicle traffic. Vehicle tires can potentially damage the material.
- Surfaces constructed with hollow, faux stucco composition commonly known as Exterior Insulation and Finish Systems (EIFS) or Insulated Concrete Form (ICF). These are

synthetic stucco walls constructed with rigid foam, expanded polystyrene or extruded polystyrene foam and coated with a layer of concrete.

- Concrete with efflorescence, a powdery white material that forms on the surface. This is not common but is caused by calcium hydroxide that is naturally found in concrete after it sets. As water dries out of the concrete it carries with it some of this calcium hydroxide, which then reacts with carbon dioxide in the air to become calcium carbonate. When this powdery substance gets on the adhesive, the graphics may not adhere properly to the concrete.

CHALLENGING APPLICATIONS / WARNINGS:

- Expansion Gaps on Concrete & Grout Lines on Brick;
 - The material does not stretch much so when installing on brick, the best method is to peel back the release liner and lay on the intended surface, press the material into the grout areas first then compress the material on the flat surface areas with a hard rubber roller.
 - Do not span material across expansion gaps on concrete walkways or on outdoor brick walls. These gaps can become a 'channel for water/moisture to travel underneath the graphics and cause the adhesive to break down and release the graphics. It is best to compress the graphics into the gap. If the grout lines or gaps are deep, span the material across the gap, slice it in the middle, then press the edges against the sides of the gap.
- Large Scale Murals;
 - Strategically align the seams along blank or busy areas where alignment is less critical, such as between letters to make installation easier and faster.
 - Peel back approximately 6" of the release liner from the top edge, line it up in place and smooth by hand. Next, have 1-2 persons reach behind the material and pull the release liner slowly, gently and steadily straight down while 1 person on the top surface of the material smooths it by hand with circular motions from the center to the outside edge (similar to a butterfly swim stroke). Continue this process all the way down or across the material until the section is completed. Finally, take a hard rubber roller to firmly compress and smoothen the material to the surface.
- Stairs; whether applying graphics to the tread or riser of stairs, it is recommended to leave a 1 inch / 2.5 cm spacing from the nosing / edge of each stair. This is a high impact area and avoiding it will increase the life expectancy of the graphics.
- Freshly poured concrete or asphalt; curing times vary depending upon ingredients, quality, and environment. Concrete may take 30 days or more to properly cure; asphalt may take several months to one year. Moderate temperatures can require more time for surface to cure.
- Painted surfaces with VOC coatings / paints must be fully cured before graphics are applied. This may require 7-10 or more to complete off-gassing. The surface should be cleaned with a mixture of 50/50 to 70/30 percent isopropyl alcohol (IPA) + water, then wipe with a clean cloth. In some cases, a second cleaning is helpful.

TRANSFER TAPE / MASKING

- Use a light duty / low tack transfer tape/mask.
- Masked graphics should be applied quickly, ideally within 2 hours. When transfer tape / masking is left on the printed graphics for a longer period of time can potentially cause premature fading or even damage to the coating. Once the graphics are applied and compressed, wipe the surface with a clean damp cloth.

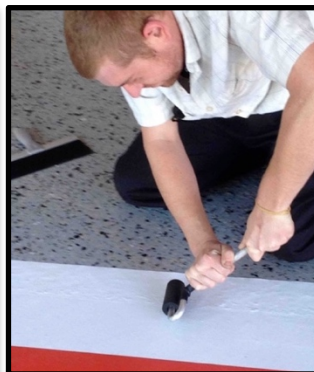
SURFACE PREPERATION:

VersaGraphics 360 reliably performs on a broad range of surfaces however if there is anything on the surface (including dirt, water, ice, oil/gas) that is in-between the pressure sensitive adhesive and the surface, this can prevent it from successfully bonding to the intended surface.

- Optimal application surface temperature: 50° F / 10° C or higher. Colder outdoor surfaces should be heated to at least 40° F / 4.5° C with a torch or heater.
- Service temperature range is 20 degrees F to 150 degrees F.
- Surface must be completely dry.
- Typically, most surfaces only need to be swept clean of dirt and debris.
- Power washing is normally not required unless there is oil/gas/chemical residue on the surface. This must be thoroughly cleaned such as by power washing or scrubbing with a broom and soapy water, a degreaser or in some cases simply with a mixture of 50/50 to 70/30 percent isopropyl alcohol (IPA) + water. Afterwards, rinse well with water and allow to thoroughly dry before installing the graphics.

STANDARD INSTALLATION INSTRUCTIONS:

- The goal for good installation is for the graphic to have 100% contact on the intended surface. When properly compressed to the surface, the material will take on the texture of the surface, appearing as a painted image.
- No heat source is needed to conform or remove the VersaGraphics 360 material. It is a pliable and durable textile / PVC composite material that easily conforms and holds the shape and texture of the applied surface.
- For small graphics; remove the release liner, lay adhesive side down flat and press by hand from the center to outer edge, making sure all edges lay flat.
- For large graphics; pull back 4" of the release liner, align the graphic to the surface and start the application. Continue to remove 6 – 10" of the release liner at a time, using a firm roller or short bristle brush to compress the material, press air bubbles to edges.
- If necessary, the material can be lifted and repositioned into place.
- Firmly compress the material for 100% contact to the surface with a hard rubber roller, making sure all edges are sealed.
- To remove bubbles; puncture material with a pin prick to create an air release, compress with roller.
- Tiling large graphics: The material can be overlapped on vertical applications; edge to edge installation is recommended for most floor graphics.



CLEANING:

- Standard floor cleaning methods and properly diluted cleaning solvents are acceptable. If power washing, keep nozzle 36 inches from graphics, do not spray edges.
- Cleaning with a hose, broom and non-abrasive soap such as dish soap.

REPAIR LIFTED GRAPHICS:

There are a number of aerosol adhesives that can be used to service graphics if a corner or small section loses adhesion. Spray the adhesive on the back (adhesive side) of the graphics then immediately compress to the surface with a hard rubber roller.

REMOVAL:

Removal does not require heat. Generally easy to remove on wall and pedestrian walkway applications; extreme rough surfaces and/or vehicular traffic may increase the difficulty in removal.

1. Simply peel off at an angle less than 45 degrees for best result; typically leaves no residue.
2. If residue remains, it can be removed by;
 - a. Allowing a non-abrasive soap such as Dawn dish soap to stand to dissolve adhesive.
 - b. Applying an agent such as Simple Green, Goo Gone, Formula 409, nail polish remover, acetone, vinegar or CRC Adhesive Remover. Standard process: spray/pour onto residue, allow to set for a minimum of 5 minutes, then scrap/wipe off/power wash off.
 - c. Allow it to wear away with pedestrian traffic and weather.

Sometimes 'shadowing' occurs (when embedded dirt is removed) leaving the area where the graphics were installed cleaner than the surrounding areas and is sometimes misidentified for residue.

LIFE EXPECTANCY:

The life expectancies for VersaGraphics 360 are conservative. Achieving maximum life expectancy depends on a number of items beginning with using a printer profile downloaded from FloorSignage.com, using quality name brand inks and following the instructions.

- Printed and installed indoor floors up to 3 months; indoor walls 24 - 36 months / outdoor walkways up to 3 months; outdoor walls 6 + months.
- To extend the life and color of graphics, use a water based liquid laminate applied by a hand spray bottle. A single coating is typically enough.
- On locations where the edge of the graphics can be 'picked' or 'pealed' by pedestrians or in harsh environments; a caulk or edge sealer can be applied after installation for protection.

Cautionary note: Film laminates and heavier coatings of liquid laminate placed on VersaGraphics 360 can potentially reduce the slip resistant quality and safety rating.

DETECTING FAILURE:

Product failure or compatibility failure will almost always occur within hours up to days from the time of installation. When this occurs it is a clear sign that either the material is imperfect, or the surface is not compatible for adhesion. Alternatively, if the material bonds to a surface and remains on for a reasonable period of time then falls off or comes up, something is occurring that causes it to happen. Some examples of this include;

- Incompatible surface; the surface the graphic is applied is a porous material, allowing moisture to permeating through it.
- Improper installation; the material was not properly compressed to the surface, surface was not clean or dry, etc... Poor installation is the most common cause of the material not adhering to a surface.
- Tampering / vandalism / unintended force; a graphic gets peeled back by force / tampering, exposing the backing to moisture and debris.

Additionally, when a product failure occurs it effects a large volume of material (jumbo rolls) and not just individual rolls.

WARRANTY:

FloorSignage, LLC stands behind the quality of its products. FloorSignage, LLC cannot, however, guarantee the finished results because FloorSignage, LLC exercises no control over individual operating, production and installation procedures. While technical information and advice on the use of the products are provided in good faith, the users bear sole responsibility for selecting the appropriate product for their end user requirements. The products have been specially formulated for digital printing and should be tested for any other method. Users are responsible for testing to determine the suitability of the products and that it will perform as expected during the printed item's entire life cycle from printing, post print processing, shipment and to end use.

FloorSignage, LLC warrants the material against manufacturing defects for up to 12 months. This warranty includes, but not limited to, delamination of the white coating, material defects, etc. There is no warranty or guarantee on finished results/longevity because there is not a way to control environmental impact, product placement, print or ink quality, individual production and/or installation procedures. Any liability associated with the use of this product is limited to the value of the product purchased from FloorSignage, LLC. The Seller's and Manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. In no case shall the Seller or Manufacturer be liable for any other direct or indirect damages or loss, including without limitation any incidental, special, or consequential damages, or any labor charges incident to the removal or replacement of the graphic. The foregoing may not be changed except by written agreement by the manufacturer.

For more information, specifications, certifications and recommendations for production, installation, and removal visit www.FloorSignage.com.



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