



Digital Lab

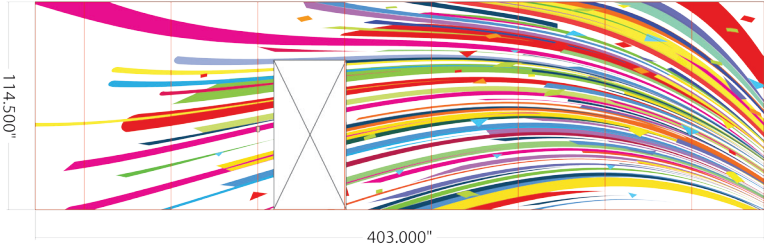
fusion installation instructions





Panel Map Example

NOTE: Mural consists of multiple panels with 1" bleed on outer-most edges only. Bleed on outer-most edges, doorframes, window frames, etc. to be field trimmed.



Panel 1



Panel 2



→ Panel 8



Panel 9



Notes



Store materials indoors in a clean, dry area protected from damage. Maintain storage temperature between 50°F (10°C) and 90°F (32°C). Store materials flat. Do not stand sheets on end.



Permanent building lights should be available for installation.



Maintain constant minimum air temperature of 65°F (18°C) for a minimum of 48 hours before and during installation. Maintain wall temperature between 65°F (18°C) and 75°F (24°C) during installation and after. Allow Fusion to precondition for a minimum of 48 hours at a temperature between 65°F (18°C) and 75°F (24°C) before installation.



Adhesives: Fastbond 30NF Contact Cement, XT-2000+ Mastic Adhesive, or Interlock's Spray-Lock FRP Adhesive. Allow adhesive to precondition for a minimum of 48 hours at a temperature between 65°F (18°C) and 75°F (24°C) before installation.



After applying 3 strips, STOP. Observe the installation from various angles. If there is some question of appearance, stop the installation and contact your distributor.



Installation indicates product acceptance.



Electrical safety: Care should be taken when installing around electrical receptacles, light switches, or other electronic components. In addition, adhesives are a conductor of electricity. To ensure your safety, cut off power to the circuits you are working on at the circuit breaker or fuse box.



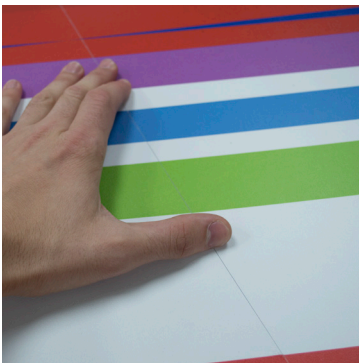
Moisture in wall should not exceed 4%. It is important that the building envelope be built and maintained to prevent water incursion into the wall system. Do not install if relative humidity is greater than 80%.

Preparation

1. Fusion to be installed in a climate controlled environment.
2. Allow Fusion, walls, and adhesives to acclimate to installation environment for a period of 48 hours.
3. Clean and prep wall.
 - Wall to be clean, dry, smooth, structurally sound and free of surface defects and imperfections.
 - Remove all loose paint and appropriately repair wall.
 - Nail heads, nicks, gouges, and other surface imperfections should be taped, bedded, and sanded smooth.
 - New drywall joints should be taped, bedded, sanded smooth, and primed.
4. Prime wall with pigmented acrylic primer.

Installation

1. Semi-rigid Fusion wallcovering is intended for use only in continuously temperature-controlled environments. It must be installed at a constant temperature between 65 degrees F and 75 degrees F (18C and 24C). This constant temperature must be maintained 24 hours-a-day for a minimum of 48 hours before, during, and after installation. Do not install if relative humidity is greater than 80 percent. Remove dust, dirt, grease, oil, loose paint, scale, and any existing wallcovering. Resurface uneven wall surfaces and damaged walls. Wall surfaces should be smooth, properly sealed with a 100% acrylic wallcovering primer / sealer, clean and dry. Wall moisture content should not exceed 4%.
2. Tinted primers can be used in combination with clear caulk at the joints / seams to minimize their visibility.
3. Locate and install Koroseal's Fusion Wallcovering in accordance with architectural drawings, specifications, and panel map. When required, Koroseal location / shop drawings should be used in conjunction with these documents.
4. Lay out work to be completed, including all component work. Check material for any damage that may have incurred during shipment and/or handling at job site.
5. Note the intended orientation of the pattern / image of wallcovering. Please review carefully, as proper installation may require that sheets be applied either horizontally or vertically. Always dry fit all sheets prior to installing to ensure a correctly oriented layout and proper alignment.
6. If cutting / trimming of sheets is required, it should be done uniformly and only at the sheet edges at the perimeter (beginning and end) of the layout. If included, consult Koroseal location / shop drawings for further information and instructions.
7. In a proper, temperature-controlled environment, edge-to-edge butt seaming can be achieved. Otherwise, 1/16" gaps should be maintained between panels. Inside corners, door frames, window frames, etc. should have 1/16" gaps. If specified, edges of the layout may contain 1" of bleed/salvage to account for slight deviations in wall dimensions. Excess bleed/salvage is to be field trimmed. Otherwise, sheets will be precision-trimmed to field verified dimensions. Image alignment can vary up to 1/16" between panels. Gaps can be treated with clear or color-complementing caulk. Aluminum or color-complementing vinyl edge, seam, and corner moldings may also be used as part of installation. When using any of these components, cut each piece to the appropriate length and assemble appropriately with regard to type of adhesive used.



Butt seam



1/16" gap with aluminum divider

8. Adhesive Options

- **XT-2000+ Mastic Adhesive:** Apply adhesive to substrate with 1/16" x 1/16" square-notched trowel. (See manufacturer's instructions and precautions on side of container.) Allow approximately 45 minutes (or longer, depending on temperature and humidity) for adhesive to become tacky and "leg" between finger and surface when touched and pulled away. Do not install into wet adhesive, but do not allow it to become too dry either. Properly position sheet to substrate and carefully/methodically smooth into adhesive removing any entrapped air until entire surface has contacted the substrate. A level should be used in conjunction with application of sheets to ensure proper alignment.
- **Interlock's Spray-Lock FRP Adhesive:** Spray adhesive onto substrate obtaining thorough coverage. (See manufacturer's included instructions.) Allow adhesive to dry until there is no adhesive transfer when lightly touched. Do not install into wet adhesive, but do not allow it to remain open longer than two hours. Properly position sheet to substrate and carefully/methodically smooth into adhesive removing any entrapped air until entire surface has contacted the substrate. Roll with heavy-pressure roller to complete bonding. A level should be used in conjunction with application of sheets to ensure proper alignment.
- **Fastbond 30NF Contact Cement:** Apply contact cement with brush or roller to both wallcovering and substrate. (See manufacturer's instructions and precautions on side of container.) Additional contact cement may be required if substrate is not properly sealed. Allow the contact cement to dry completely. Application of sheet to the substrate must occur and be completed within 4 hours. Once contact cement has dried, use a slip-sheet to properly position sheet on substrate, remove slip-sheet carefully while removing any entrapped air until entire surface of wallcovering has contacted the substrate. A level should be used in conjunction with application of sheets to ensure proper alignment.



XT-2000+ Mastic Adhesive



Interlock's Spray-Lock FRP Adhesive

9. With all bonding methods mentioned above, after sheet is attached to substrate, apply heavy pressure to sheet with a high-pressure roller, thoroughly rolling from center area out.



10. Permanent building lights should be available and operating during installation. If, after applying three (3) pieces of wallcovering, there is some question of appearance or adequacy of the application, stop and contact your distributor or sales representative.



11. Fusion's characteristics are similar to our Korogard® Protective Wallcovering. For additional information, please consult our "Installation Manual." If there are any questions, please call your local Korogard® representative.

Cleaning

Normal Cleaning

Soap and water or a commercially available cleaner such as "Fantastic" or "409" should be used to remove ordinary dirt or scuff marks. A readily available solvent such as mineral spirits or naphtha can also be used. Highly abrasive cleansers such as "Ajax" or "Spic-n-Span" should NOT be used! A clean sponge or rag is usually all that is required to wipe the surface of the wallcovering. A subsequent thorough clean water rinse is advised to avoid possible residue build-up.

In-Use Spot Cleaning

Tough marks or stains due to spills, graffiti, heel marks, etc. may require specially-formulated cleansers such as "Crown Anti-Vandal Spray" (815-334-0020) or "DWR2" (609-235-4161). Also, the readily available cleaner "Goof-Off" (or one of the competitive equivalents) will most often do the job. These are specialized spot cleaners and should be used for just that. A stiff nylon bristled brush may also help to remove more-stubborn spots. These cleaners should also be rinsed thoroughly with clean water.

Previous Residue Cleaning

If residue from previous cleanings has been allowed to build-up on the surface of the wallcovering, "Johnson Wax Step Off" or an equivalent can be used with a clean water rinse to bring the surface back to original condition. "Johnson Wax Step-Off" or similar will also remove any floor wax that may have splashed onto the surface.

Note

Fusion digital wall protection/wallcovering is very resistant to chemical attack. Strong, caustic cleaning agents can safely be used, if followed with a thorough rinsing! However, its surface can be scratched. Abrasive cleansers and tools cannot safely be used!





koroseal[®]
surface-scape your vision™

koroseal.com/digital
877.539.2557

3875 Embassy Parkway • Fairlawn, Ohio 44333
© Copyright 2016. All Rights Reserved.