

Architectural Fusions Installation: **Gypsum Board Prep for Sintra Panel Application**

Effective 11/1/2018

- **Gypsum Board must be taped and sanded to a Level 3 paintable surface**

- **Once the Level 3 paintable surface is achieved:**
 1. Wipe gypsum board clean to be free of all dust

 2. Apply one coat of gypsum board primer

- **Gypsum board substrate is ready for Surfacequest sintra panel installation**

For additional questions regarding the substrate preparation requirements for Architectural Fusions, please contact Surfacequest Solutions at (952) 835-2880

Architectural Fusions Installation: **Melamine Substrate Prep Requirements**

Effective 11/1/2018

Architectural Fusions (Film) can only be applied to a smooth, consistent, non-porous surface

NOTE: Melamine is the preferred substrate for Architectural Fusions because it requires minimal surface preparation

- **All melamine panel corners must be mitered and seams flush so they don't telegraph through the Fusion**
 - All screws and or nails should be counter sunk **no more than 1/8"** below the finished surface
 - Use biscuit joiners at all joints
 - Fill all holes with all-purpose Bondo and sand flush
- **Raw edge of panels must be edge-banded**
 - Architectural Fusions (Film) will not adhere to raw edges or unsealed wood
- **Melamine substrate is ready for Surfacequest installation**

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Architectural Fusions Installation:

MDF Prep Requirements

Effective 11/1/2018

Architectural Fusions (Film) can only be applied to a smooth, consistent, non-porous surface

NOTE: Melamine is the preferred substrate for Architectural Fusions because it requires minimal surface preparation

- **All MDF corners must be mitered and seams flush so they don't telegraph through the Fusion**
 - All screws or nails should be counter sunk **no more than 1/8"** below the finished surface
 - Use biscuit joiners at all joints
 - Fill all holes with all-purpose Bondo and sand flush

- **Once the MDF substrate is constructed, the following steps are required:**
 1. Wipe area clean to be free of all dust
 2. Apply one thick coat of oil-based polyurethane while minimizing any lines or streaks
 3. Allow proper cure time for the polyurethane
 4. Sand area to a smooth consistent surface
 5. Wipe area clean to be free of all dust
 6. Apply a second coat of polyurethane while minimizing any lines or streaks
 7. Allow proper cure time for the polyurethane
 8. Sand area to a smooth, consistent surface and wipe area clean to be free of all dust
 9. MDF substrate is ready for Surfacequest installation

- **Raw edge of panels must be edge-banded**
 - Architectural Fusions (Film) will not adhere to raw edges or unsealed wood

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Architectural Fusions Installation: Gypsum Board Substrate Prep Requirements

Effective 11/1/2018

Architectural Fusions (Film) can only be applied to a smooth, consistent, non-porous surface

NOTE: Melamine is the preferred substrate for Architectural Fusions because it requires minimal surface preparation

- **Gypsum Board must have a Level 5 finish per ASTM C840:**

Level 5 requires all the operations in Level 4. Additionally, a thin skim coat of joint compound, or material manufactured especially for this purpose, is applied to the entire surface. The surface is smooth and free from tool marks and ridges. The Level 5 finish is required to achieve the highest degree of quality by providing a uniform surface and minimizing the possibility of joint photographing and/or fasteners telegraphing through the Fusion.

- **Once the Level 5 finish is applied:**

1. Wipe gypsum board clean to be free of all dust **prior to priming & painting**
 - a. If dust is not properly cleaned off, adhesion of the paint/primer to the gypsum board may fail
2. Apply one coat of an acrylic gypsum board primer, being careful to minimize any streaks or lines
3. Allow proper cure time for primer
4. Sand primed area to a perfectly smooth, consistent surface
5. Wipe primed area clean to be free of all dust
6. Apply one coat of a semi-gloss paint being careful to minimize any streaks or lines
 - a. Use a 1/4" fine nap roller to obtain a smooth, consistent surface
 - b. Paint stipple on the surface can allow air to remain trapped under the Fusion, causing bubbles in the film with temperature changes
7. Allow paint to cure 48 hours for best results
8. Gypsum board substrate is ready for Surfacequest installation

- **Fusion seams must be overlapped 3/4"(+/-) when directly applied to gypsum board to comply with Surfacequest's 5 year warranty**

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Architectural Fusions Installation: **Existing Millwork Requirements**

Effective 05/01/2022

Architectural Fusions (Film) can only be applied to a smooth, consistent, non-porous surfaces

NOTE: Melamine is the preferred substrate for Architectural Fusions because it requires minimal surface preparation

• **Cabinet Substrate Requirements**

Existing caseworks to be a smooth laminate (melamine), veneered cabinets, metal casework, thermofoil, or laminate overlay onto metal casework. If not flat panel door cabinets, pictures of cabinet doors will be required to Surfacequest Sales or Estimating contacts for viability evaluation.

• **Cabinet prep requirements**

1. Client to verify if any water or liquid damages have occurred to the cabinets causing swelling of the doors or of the cabinet substrates.
 - a. Any water or liquid damages are typically not able to be repaired by Surfacequest, photos will need to be sent to Surfacequest by client for verification if cabinets can be installed upon.
2. Confirm all cabinet doors and cabinet face frames have edgebanding attached. If missing report to Surfacequest.
3. Wipe cabinet doors and cabinet interiors down with cleaning agent to remove as much sticky residue as possible before Surfacequest installation teams arrive. Remove any graphics that may be on cabinet doors/finished ends that Surfacequest will be working on prior to cleaning.
 - a. Recommended cleaner/degreaser is Zep Industrial Purple Degreaser.
4. Assess and fix any cabinet hinge damage, damage could be on cabinet door or interior cabinet panel where hinge plate mounts.
 - a. If door is unable to be fixed because damage is located at hinge, a new door is to be obtained by Client.
5. Notify Surfacequest of any small damages that will need to be repaired in the field, ie: gouges in door face, missing edgebanding, etc.
6. Wipe cleaned millwork down one final time
7. Cabinet door/drawer hardware to be removed by client and reinstalled by client after Surfacequest installation.
8. Cabinet substrate is ready for Surfacequest installation.

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Architectural Fusions Installation:

Door Substrate Prep Requirements

Effective 11/1/2018

Architectural Fusions (Film) can only be applied to a smooth, consistent, non-porous surface

- **Plastic Laminate Doors are Fusion-ready**

1. Any side/edges to receive Fusion would also need to be laminate or finished with a smooth, non-porous surface
2. If P-Lam is highly textured, it may telegraph through the Fusion

- **Metal Doors are Fusion-ready**

1. If metal is painted, sanding may be required to get to a smooth, consistent surface

- **Raw Wood Doors must be properly sealed**

1. Wipe area clean to be free of all dust
2. Apply one thick coat of oil-based polyurethane while minimizing any lines or streaks.
3. Allow proper cure time for the polyurethane
4. Sand area to a smooth consistent surface and wipe clean to be free of all dust
5. Apply a second coat of polyurethane while minimizing any lines or streaks
6. Allow proper cure time for the polyurethane
7. Sand area to a smooth, consistent surface and wipe area clean to be free of all dust
8. Wood door is ready for Surfacequest installation

For additional questions regarding the substrate preparation requirements for Architectural Fusions, please call Surfacequest Solutions at (952) 835-2880