

Installation Instructions

Aspex™ Wall Protection for Radius Conditions

Important

Storage

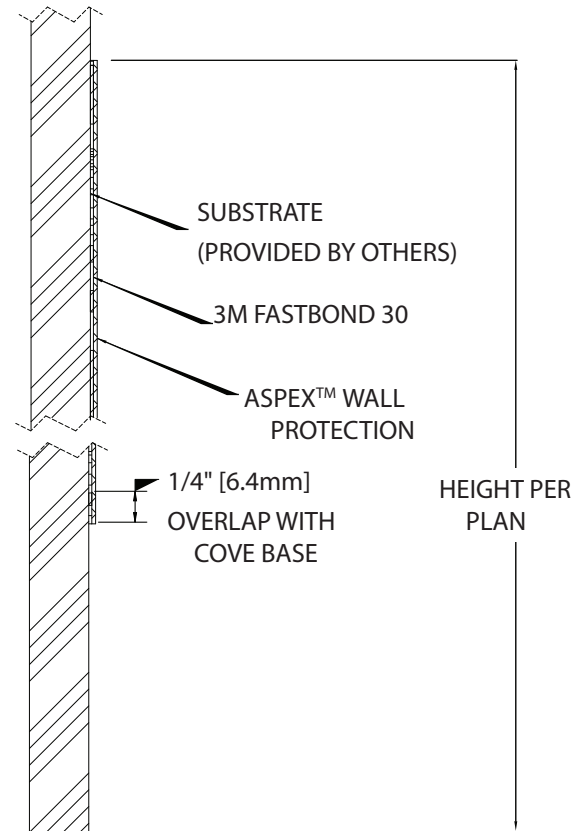
Sheet - Store ASPEX™ for Radius Conditions in a clean, dry, interior area at temperatures between 50° F and 95° F [10°-35°C]. Keep out of direct sunlight. Make sure sheet is well supported.

- Store in a clean, dry, interior area
- Avoid direct sunlight
- Store between 50°F and 95°F [10°-35°C]

Acclimate

24 hours before the installation, acclimate the sheet material and adhesive in the environmentally controlled area where it will be installed. This area requires a temperature between 65°F and 80°F [18°-27°C] and a humidity level less than 80%. Maintain a constant temperature between 65°F - 80°F [18°-27°C] and a constant humidity level less than 80% in the installation area 24 hours before installation, during the entire installation and 48 hours after the installation.

- Acclimate sheet and adhesives in the environmentally controlled installation area.
- Acclimate sheet and adhesives at temperatures between 65°F and 80°F [18°-27°C].
- Acclimate sheet and adhesives at humidity less than 80%.
- Maintain a constant temperature and humidity 24 hours before, during and 48 hours after installation.



Recommended Tools

Paint/Primer (if needed), Chalk Line or Laser Level, Level, Recommended Adhesive – 3M Fastbond 30, Smooth foam paint roller (for contact cement), Straight Edge, Utility knife with extra blades, Painter Tape, InPro #333, Extension Roller, 7.5" [190mm] wide, Clean cloths, Water

IPC.3277/REV.1

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Installation Instructions

Aspex™ Wall Protection for Radius Conditions



407A
OPTIONAL
ALUMINUM
TOP CAP



409A
OPTIONAL
ALUMINUM
INSIDE
CORNER



408A
OPTIONAL
ALUMINUM
VERTICAL
DIVIDER



420A
OPTIONAL
ALUMINUM
CORNER
GUARD



407
OPTIONAL
TOP CAP



409
OPTIONAL
INSIDE
CORNER

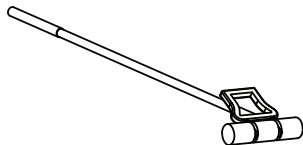


408
OPTIONAL
VERTICAL
DIVIDER

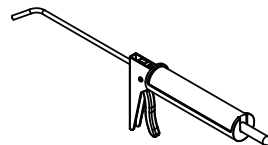


OPTIONAL
TAPE-ON
CORNER
GUARD

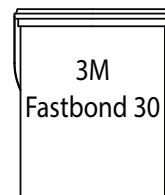
ASPEX™ WALL
PROTECTION
FOR RADIUS
CONDITIONS



INPRO #333
EXTENSION ROLLER



CLEAR OR COLOR
MATCH CAULK
(OPTIONAL)



3M FASTBOND 30
CONTACT
CEMENT

Installation Instructions

Aspex™ Wall Protection for Radius Conditions

Recommended Tools

- Paint/Primer (if needed)
- Chalk Line or Laser Level
- Level
- Recommended Adhesive – 3M Fastbond 30 Contact Cement
- Smooth foam paint roller (for contact cement)
- Straight Edge
- Utility knife with extra blades
- Belt Sander
- Painter Tape
- InPro #333, Extension Roller, 9" [229mm] wide
- Clean cloths
- Water

Storage

Store Aspex™ Wall Protection for Radius Conditions in a clean, dry, interior area at temperatures between 60° F and 85° F [16°-29°C]. Keep out of direct sunlight. If material shipped rolled up, unroll upon receipt. Do not reverse roll Aspex™. Make sure sheet is well supported. IMPORTANT! When rolling Aspex™ wall protection, the image MUST face in.

- Store in a clean, dry, interior area
- Avoid direct sunlight
- Store between 60°F and 85°F [16-29°C]
- Unroll rolled Aspex™ wall protection upon receipt Do not reverse roll Aspex™
- IMPORTANT! When rolling Aspex™ wall protection, the image MUST face in

Acclimate

24 hours before the installation, acclimate the material and adhesive in the environmentally controlled area where it will be installed. This area requires a temperature between 65°F and 80°F [18°-27°C] and a humidity level less than 80%. Maintain a constant temperature between 65°F - 80°F [18°-27°C] and a constant humidity level less than 80% in the installation area 24 hours before installation, during the entire installation and 48 hours after the installation.

- Acclimate sheet and adhesives in the environmentally controlled installation area.
- Acclimate sheet and adhesives at temperatures between 65°F and 80°F [18°-27°C].
- Acclimate sheet and adhesives at humidity less than 80%.
- Maintain a constant temperature and humidity 24 hours before, during and 48 hours after installation.

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Wall Preparation

Walls must be free from dirt, grease and loose paint. Remove any coatings designed to improve clean-up since these coatings may affect adhesion. Glossy surfaces may require sanding or priming to help promote adhesion. Do not install in areas exposed to direct sunlight.

New drywall or plaster – Walls must be smooth and wiped clean to remove dust. Seal or prime walls with paint or primer that does not contain Polyvinyl Acetate (PVAc). Allow paint/primer to dry in accordance with the manufacturers application instructions.

- Remove Dust and Dirt
- Seal walls with paint/primer.
- DO NOT use paint/primer that contains Polyvinyl Acetate (PVAc)

Concrete and Concrete Masonry Units – Fill surface of concrete walls with an appropriate filler to make it smooth. Seal or prime walls with paint or primer that does not contain Polyvinyl Acetate (PVAc). Allow paint/primer to dry in accordance with the manufacturers application instructions. Unfilled grout lines may telegraph through the sheet, especially with thinner sheet thicknesses.

- Fill concrete to make smooth.
- Seal concrete with paint/primer.
- DO NOT use paint/primer that contains Polyvinyl Acetate (PVAc)

Non-Porous Substrates - Some non-porous substrates include metal, ceramic tile, high-pressure laminate, epoxy painted walls, vinyl wall covering (VWC) and rigid sheet. 3M Fastbond 30 Contact Cement can be used to apply rigid sheet to securely adhered vinyl wallcovering or rigid sheet and other non-porous substrates. Adhering rigid sheet over existing sheet or VWC will increase smoke generation and flame spread and negate the Class A fire rating. If you choose to do this, follow the non-porous installation instructions.

Installation Instructions

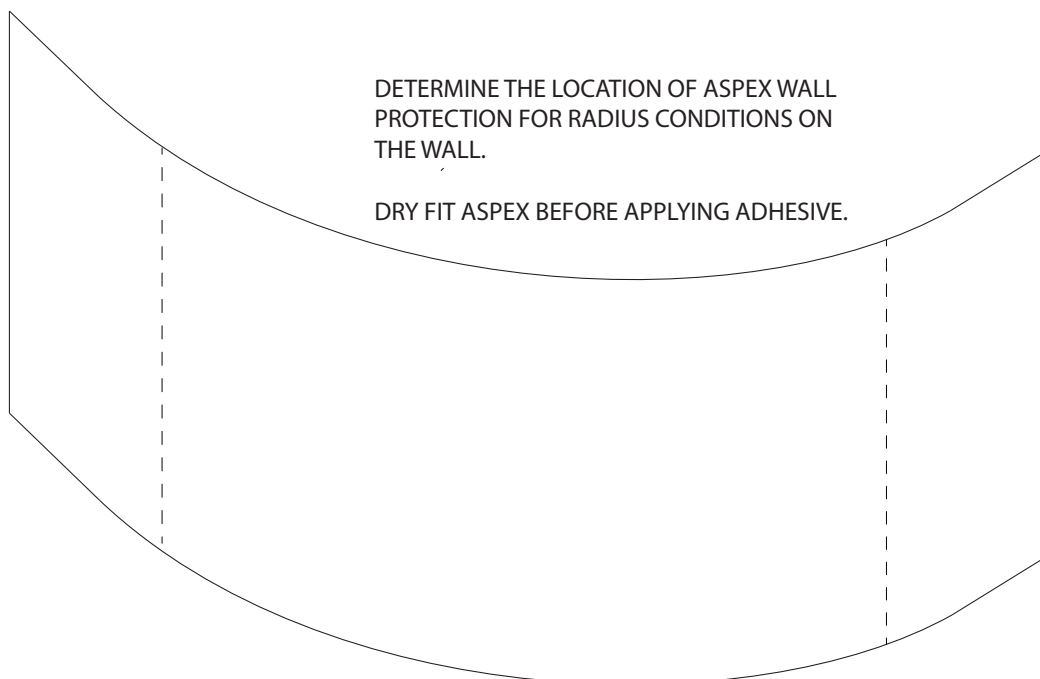
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Cutting and Dry Fitting Sheets

When handling sheet be careful and avoid kinking the sheet. Layout sheet location on the wall marking plumb lines and level lines where needed. When laying out sheet allow a 1/16" [2mm] gap between sheet material and ceilings, floors, corners, door casings, window casings and between sheets. Do not install cove base directly over rigid vinyl sheet, vinyl wallcovering, ceramic tile, metal or other non-porous surfaces. Overlap these materials with the cove base by 1/4" [7mm]. To maintain pattern sequence install sheets in the order as numbered on the sheets. If trimming is needed, trim at the beginning and ends of a run. Cut sheet material with a metal straight edge and a sharp utility knife. Cut the sheet using multiple passes. Cut openings in the sheet for outlets and other objects located on the wall. If corners are not plumb, apply painters tape to the edge of the sheet and scribe the uneven corner to the sheet. Use a belt sander to carefully remove material from the sheet. Dry fit the sheet to the wall by holding it in place on the wall. When installing multiple sheets in an area, dry fit all sections. Do not install sheet material too close to heat registers, radiators and other equipment that may produce excessive heat. Sheet installation in these areas may cause de-lamination or bubbling of the sheet. Do not remove the white film from the back of the sheet.

- Install sheets in the order as numbered on the sheets
- Trim at the beginning and ends of a run
- DO NOT kink the sheet when handling.
- Mark plumb lines and level lines on wall.
- Allow 1/16" [2mm] between sheet and ceilings, floors, walls, casings and other sheets.
- DO NOT install cove base directly over rigid sheet; Overlap sheet with cove base by 1/4" [7mm].
- Use a straight edge and sharp utility knife to cut sheet material.
- Scribe uneven corners to sheet and remove material with a belt sander
- Cut sheet using multiple passes with the utility knife.
- DO NOT install sheet too close to heat sources.
- Dry fit the sheet to the wall.
- DO NOT remove the white film from the back of the sheet

Installation Tip:
To help minimize the appearance of the joint when using clear caulk, paint a one-inch wide area behind the butt joint with a color from the graphic. Allow paint to fully cure before installing wall protection.



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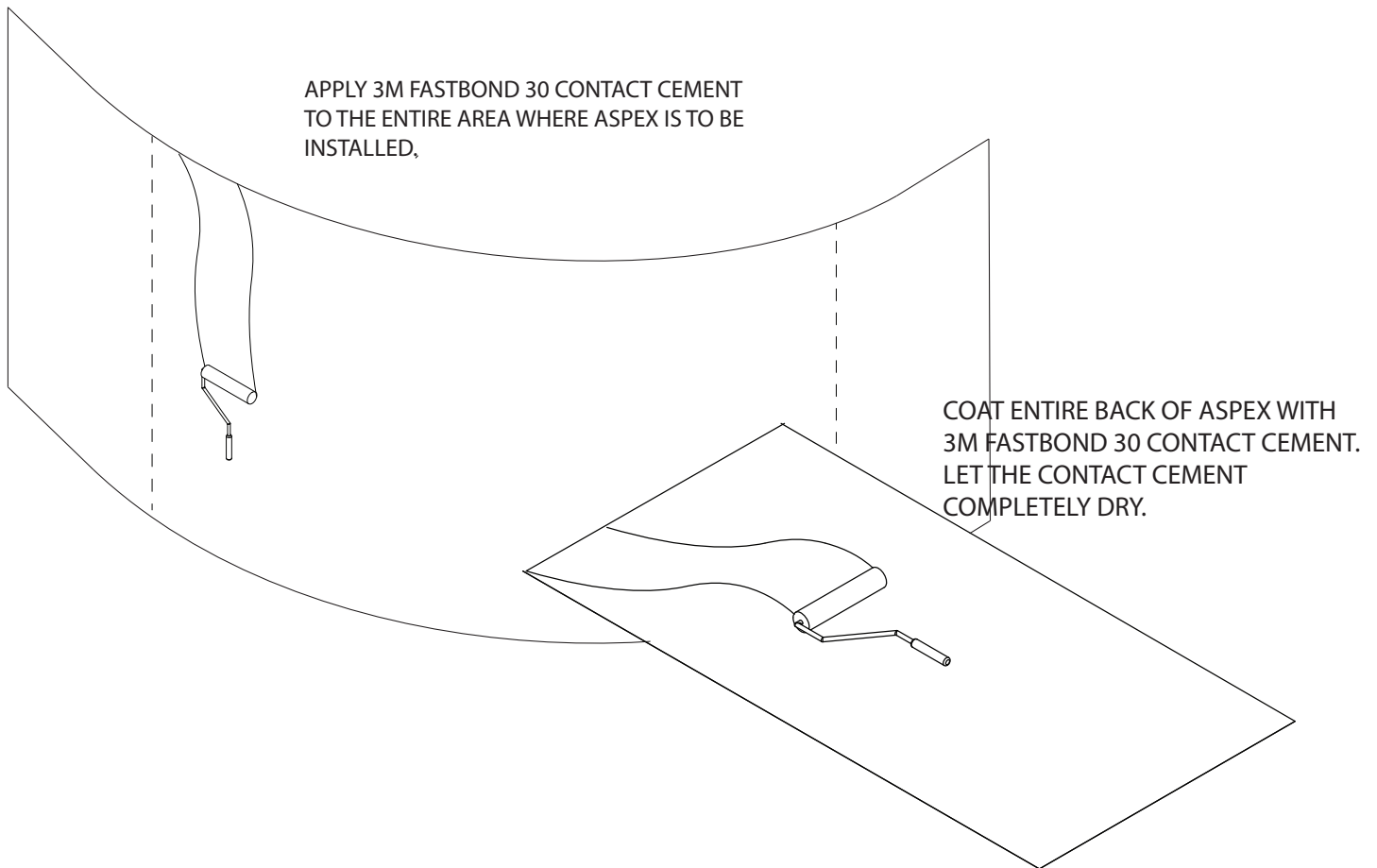
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Adhesive Application 3M Fastbond 30 Contact Cement

Apply 3M Fastbond 30 Contact Cement to the wall surface and to the back of the sheet. After adhesive is applied it will need to completely dry before installing the sheet. Application temperature: After following the steps to acclimate the materials, maintain a constant temperature between 65°F and 80°F [18°-27°C] with an indoor humidity level below 80%. Use a paint roller with a foam roller or 1/4" nap adhesive roller to apply contact cement. Apply adhesive to the entire area where the sheet is to be installed and the back of the Aspex Sheet. Remove any excess adhesive from unwanted surfaces with a damp cloth before the adhesive has cured.

- Allow materials to acclimate following the recommendations stated earlier.
- Use a paint roller with a foam roll or 1/4" nap adhesive roller
- Apply 3M Fastbond 30 Contact Cement back of sheet
- Apply 3M Fastbond 30 Contact Cement to the entire wall area where sheet will be installed.
- Let both surfaces completely dry

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Adhesive Curing/Drying

Temperature and humidity levels will affect the time it takes for adhesive to dry. Under ideal conditions dry time should be 45-60 minutes. Both adhesive on the wall and the back of the Aspex must be completely dry before putting the material on the wall. Once dry, you have 4-hours to position Aspex on the wall.

- Adjust cure time for temperature and humidity level.
- Let the 3M Fastbond 30 Contact Cement completely dry
- Use fans to reduce dry time.
- Once dry, you have 4-hours to position Aspex on the wall.

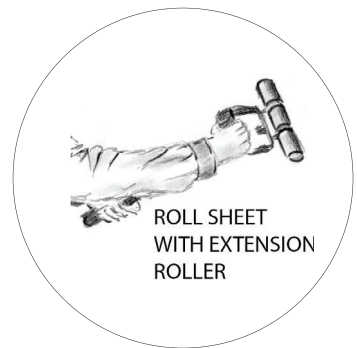
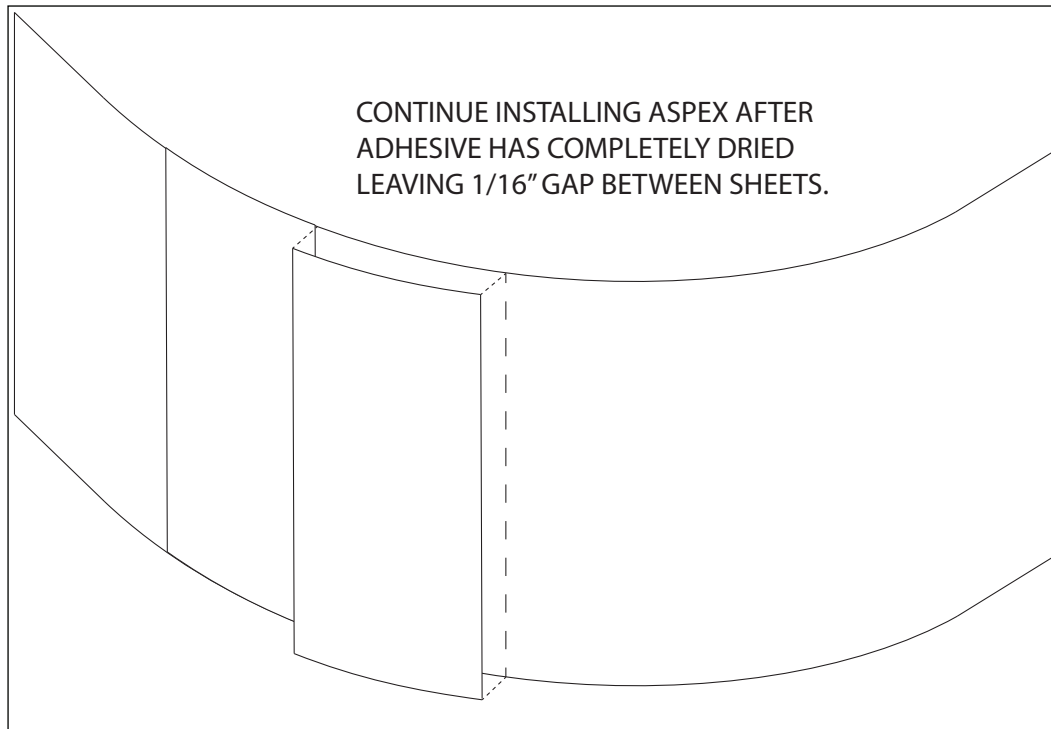
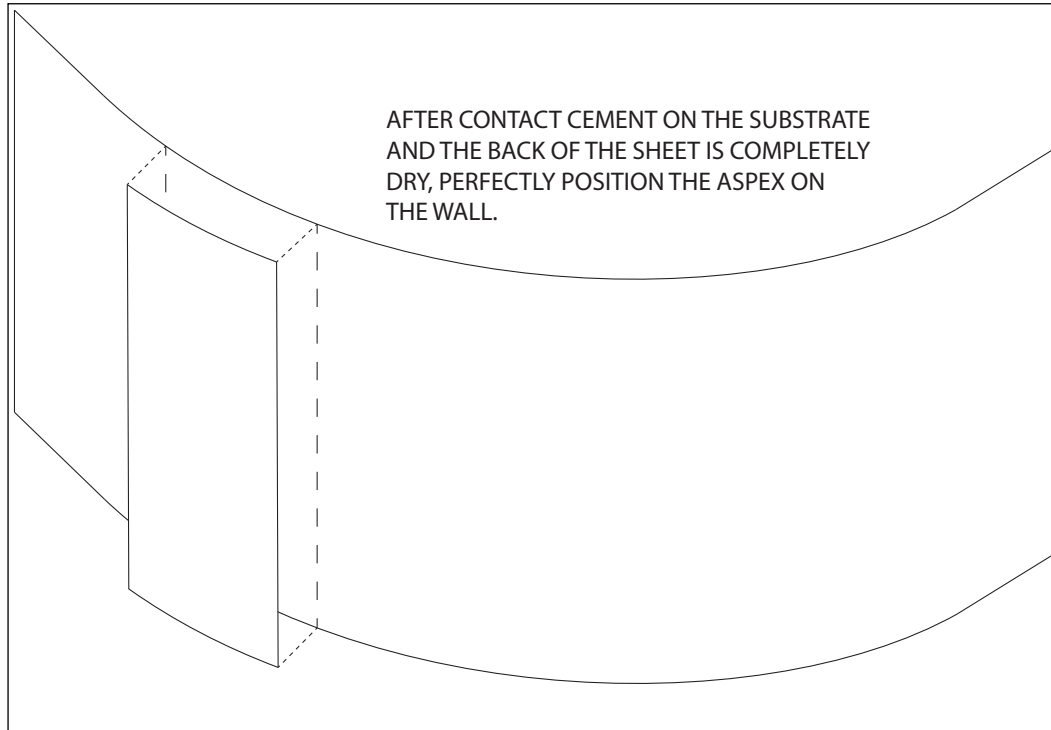
Positioning Sheet

After the 3M Fastbond 30 Contact Cement has completely dried, position the sheet on the wall aligning the edges with plumb lines or level lines. Once contact is made with the wall you will not be able to reposition the sheet. Hold sheets back from ceiling, floors, corners, casings and other sheets by 1/16" [2mm] to allow for expansion (see figure 3). Use an extension roller (InPro item # 333) to firmly embed the sheet into the adhesive (see figure 4). Apply heavy body pressure to every square inch of sheet, starting at the center and working to the edges, making sure it is bonded securely to the wall.

- 3M Fastbond 30 Contact Cement must be completely dry
- Position sheet on wall
- Once contact is made with the wall, you will not be able to reposition the sheet.
- Allow 1/16" [2mm] gaps between sheets for expansion.
- Roll entire sheet with extension roller, starting at the center and working to the edges.

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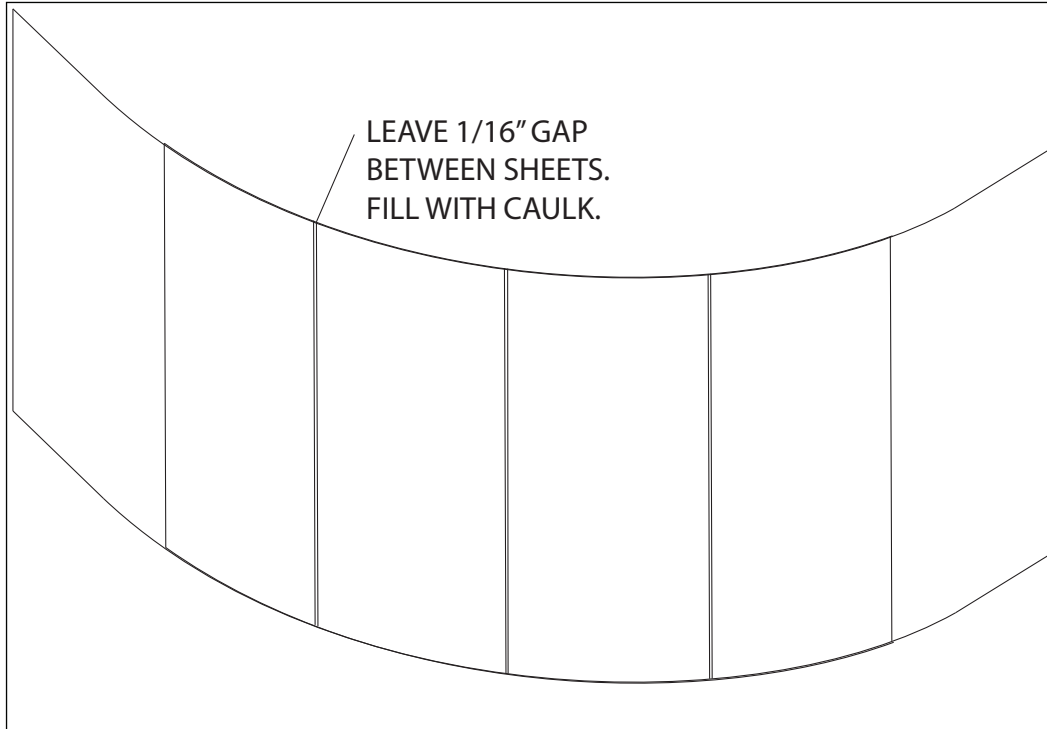
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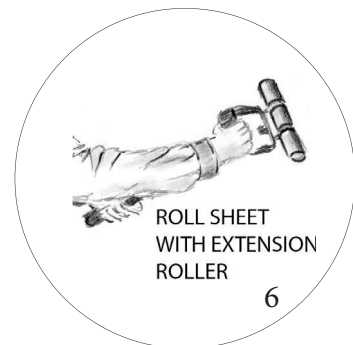
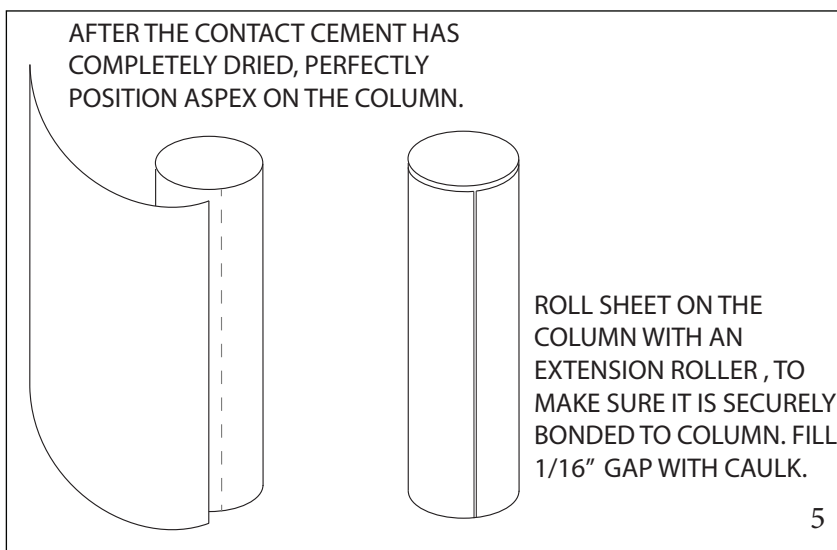
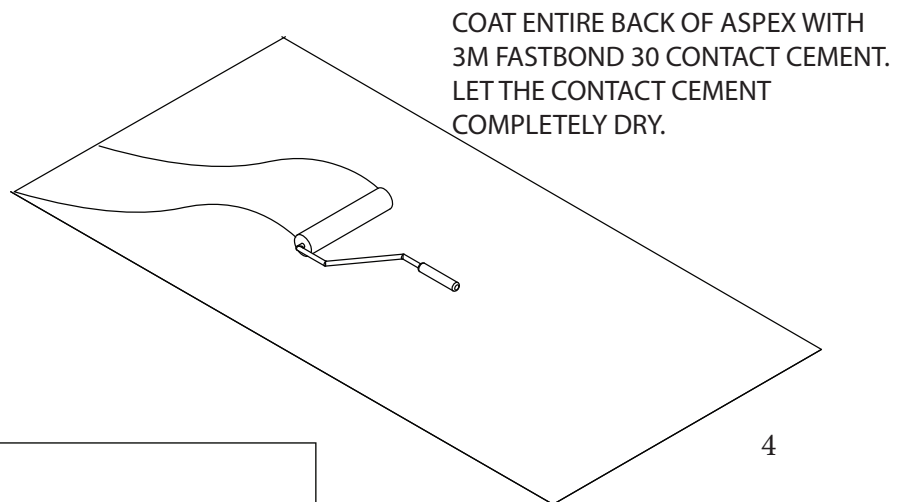
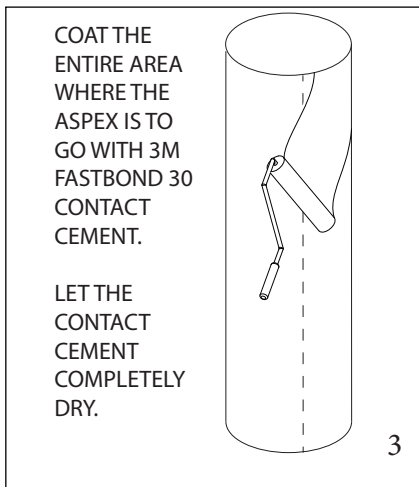
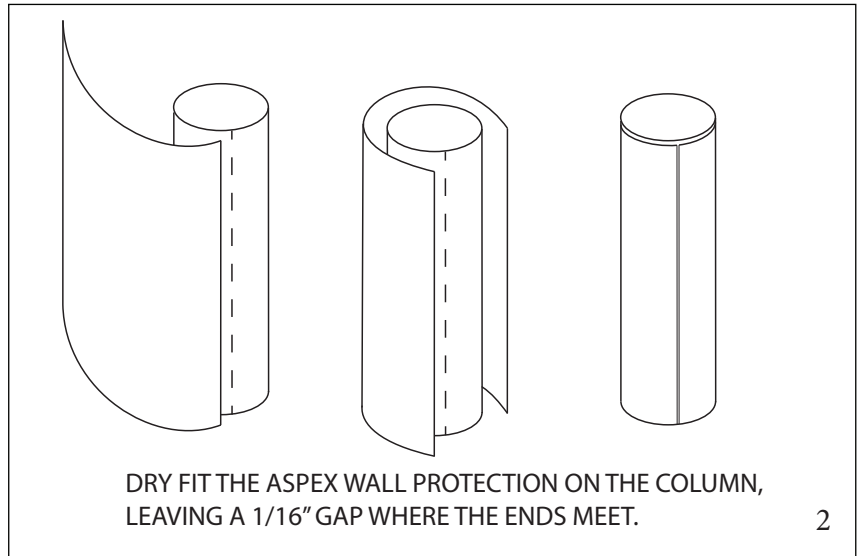
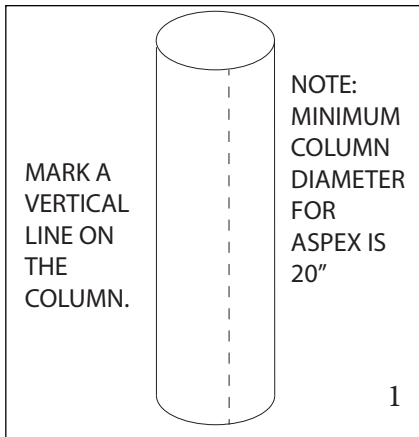
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Installation on a Column



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Clear or Color Matched Caulk

Use Clear or Color Matched Caulk to fill in the joints between digitally printed sheet. Clear caulk is standard but Color Matched Caulk in colors is available. Apply masking tape along both edges of the joint. Cut the spout on the tube at a 45° angle. Apply the color matched caulk to the joint. With a putty knife or finger, remove excess caulk from the joint. Immediately after applying the caulk remove the painters tape. If sinking occurs, reapply Caulk following the same steps. Remove unwanted caulk, before it cures, with a denatured alcohol or rubbing alcohol.

- Apply masking tape on the edges of the joint.
- Apply caulk to joint and remove excess with putty knife or finger.
- Remove painters tape before caulk cures.
- Repeat caulk application if sinking occurs.
- Remove unwanted caulk before it cures.

Clean-up

Completion: Immediately upon completion of installation, clean sheet and remove layout marks excess adhesive and surface blemishes. Clean-up: If adhesive has not dried, clean with water containing a small amount of detergent. Adhesive cannot be cleaned off rollers or brushes after it has dried.

- Upon Completion, remove layout marks, excess adhesive and surface blemishes.
- Adhesive that has not dried

After Installation

Maintain environmentally controlled conditions after the installation. Large temperature changes can cause de-lamination.

- Maintain environmentally controlled conditions.
- Large temperature changes can cause de-lamination.