

Installation Instructions

Sanparrel Rigid Sheet with Inpro iBond Adhesive

Recommended Tools

- Paint/Primer (if needed)
- Chalk Line or Laser Level
- Level
- InPro Trowel, 1.1mm x 2mm notches
- Recommended Adhesive – InPro iBond
- Straight Edge
- Utility knife with extra blades
- Painter Tape
- Extension Roller
- Clean cloths
- Water

Storage

Flat sheet - Store IPC Rigid Sheet in a clean, dry, interior area at temperatures between 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 10°-35°C

Rolled Sheet – Unroll sheet material immediately upon receipt and store in clean, dry, interior area at temperatures between 10°-35°C. Keep out of direct sunlight. If the rolled material does not lay flat, reverse roll the sheet until it does lay flat. Make sure sheet is well supported. Keep sheet length to a maximum of 3.6M. When installing rolled sheet, follow the non-porous installation instructions.

- Unroll rolled sheet immediately
- Reverse roll material until it lays completely flat.
- Store in a clean, dry, interior area
- Avoid direct sunlight.
- Store between 10°-35° C.
- Keep sheet length to a maximum of 3.6M.
- For rolled sheet, follow non-porous installation steps.

Adhesive - Adhesive Shelf life is 12 months when stored unopened in good conditions. Store between 5°C and 30°C. Protect from frost.

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 18°-27°C and a humidity level less than 80%. Maintain a constant temperature between 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 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.

New drywall or plaster – Walls must be smooth and wiped clean to remove dust. Seal or prime absorbant surfaces with a suitable diluted acrylic primer. Allow paint/primer to dry in accordance with the manufacturers application instructions.

- Remove Dust and Dirt
- Seal walls with paint/primer.

Painted Drywall or Plaster - Test painted walls for adhesion by applying a 305mm x 305mm pieces of IPC Rigid Sheet in an inconspicuous area. Allow the test sheet to remain adhered for 24 hours. Remove test sheet, If paint has softened, strip the paint off the wall and reseal with a recommended paint/primer.

- Test the wall to make sure paint is compatible with adhesive.
- Strip the paint off wall if adhesives softens paint after testing.

Concrete and Concrete Masonry Units – Fill surface of concrete walls with an appropriate filler to make it smooth. Seal or prime absorbant surfaces with a suitable diluted acrylic primer. 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.

Non-Porous Substrates - Some non-porous substrates include metal, ceramic tile, high-pressure laminate, epoxy painted walls, vinyl wall covering (VWC) and rigid sheet. InPro iBond adhesives can be used to apply rigid sheet to securely adhered vinyl wallcovering or rigid sheet and other non-porous substrates.

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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 1.6mm gap between sheet material and ceilings, floors, corners, door casings, window casings and between sheets.

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. 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 kink the sheet when handling.
- Mark plumb lines and level lines on wall.
- Allow 1.6mm between sheet and ceilings, floors, walls, casings and other sheets.
- Use a straight edge and sharp utility knife to cut sheet material.
- 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.

Adhesive Application InPro iBond

Apply adhesive only to the wall surface. Do not apply adhesive to the back of the sheet. After adhesive is applied, it will need to cure before applying the sheet. Application temperature: After following the steps to acclimate the materials, maintain a constant temperature between 18°-27°C with an indoor humidity level below 80%. Use a 1.1mm x 2mm notched trowel to apply adhesive (see figure2). Apply adhesive to the entire area where the sheet is to be installed. Remove any excess adhesive from unwanted surfaces with a damp cloth before the adhesive has cured. Cured adhesive is nearly impossible to remove. Do not let adhesive dry in the notches of the trowel. This will change the application rate of the trowel. Application rate is 4 sq. M/per liter with InPro Trowel.

- Allow materials to acclimate following the recommendations stated earlier.
- Use a notched trowel with 1.1mm x 2mm notches
- Apply adhesive only on wall.
- Apply adhesive to the entire wall area where sheet will be installed.
- Remove any excess adhesive before it has cured.
- Clean trowel so notches do not get clogged.
- Application rate is 4 sq. M/per liter

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Adhesive Curing, Porous Substrate

Temperature and humidity levels will affect the time it takes for adhesive to cure. Under ideal conditions, cure time should be 45-60 minutes. It could be significantly longer, but not more than 3 hours. When first applied the adhesive is white. As it cures, it becomes translucent and tacky. Install the sheet material when 60-75% of the adhesive has become translucent or when it becomes tacky and does not transfer to your finger. Fans will increase air movement and reduce cure time. The installer is responsible for determining the cure time of the adhesive, based on job site conditions. Do a test installation if needed.

- Adjust cure time for temperature and humidity level.
- Allow adhesive to become 60-75% translucent or let adhesive become tacky and not transfer to your finger when touched.
- Use fans to reduce cure time.
- The installer is responsible for determining the cure time of the adhesive, based on job site conditions.
- Do a test installation, if needed.

Adhesive Curing, Non-Porous Substrate (follow these steps for rolled sheet)

Some non-porous substrates include metal, ceramic tile, high-pressure laminate, epoxy painted walls, and vinyl wall covering. When applying adhesives to these substrates, moisture in the adhesive will not be absorbed by the substrate. Longer cure times are required. Allow the adhesive to become 90% translucent. Let the adhesive become tacky and not transfer to your finger when touched. Temperature and humidity levels will affect the time it takes for adhesive to cure. Cure times may range from 1 hour but not more than 3 hours. Fans will increase air movement and reduce cure time. The installer is responsible for determining the cure time of the adhesive, based on job site conditions. Do a test installation if needed. Align the sheet perfectly, since the longer cure time makes the adhesive behave like contact cement. Readjusting the sheet may be difficult or impossible.

- Allow adhesive to cure longer (at least an hour but not more than three hours)
- Allow the adhesive become 90% translucent and let adhesive become tacky and not transfer to your finger when touched.
- Use fans to reduce cure time.
- The installer is responsible for determining the cure time of the adhesive, based on job site conditions.
- Do a test installation, if needed.
- Position the sheet perfectly, since adhesive behaves like contact cement.

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Positioning Sheet

Wipe the back of the sheet to remove any dust. After the adhesive has cured, position the sheet on the wall aligning the edges with plumb lines or level lines. Hold sheets back from ceiling, floors, corners, casings and other sheets by 1.6mm to allow for expansion (see figure 1). If needed reposition the sheet on the wall by carefully pulling it back and re-aligning it to the wall. Use an extension roller to firmly embed the sheet into the adhesive (see figure 2). 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.

- Wipe the back of sheet to remove dust.
- Position sheet on wall
- Allow 1.6mm gaps for expansion.
- Reposition sheet before rolling if needed.
- Roll entire sheet with extension roller, starting at the center and working to the edges

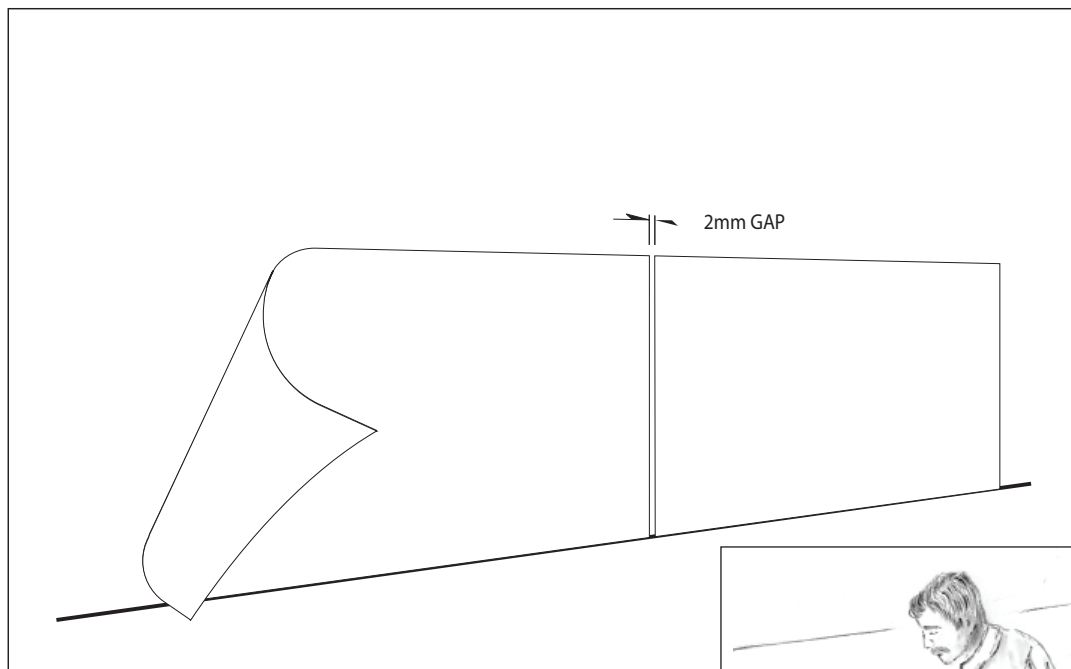


Figure 1



Figure 2

Installation Instructions

Sanparrel Rigid Sheet with Inpro iBond Adhesive

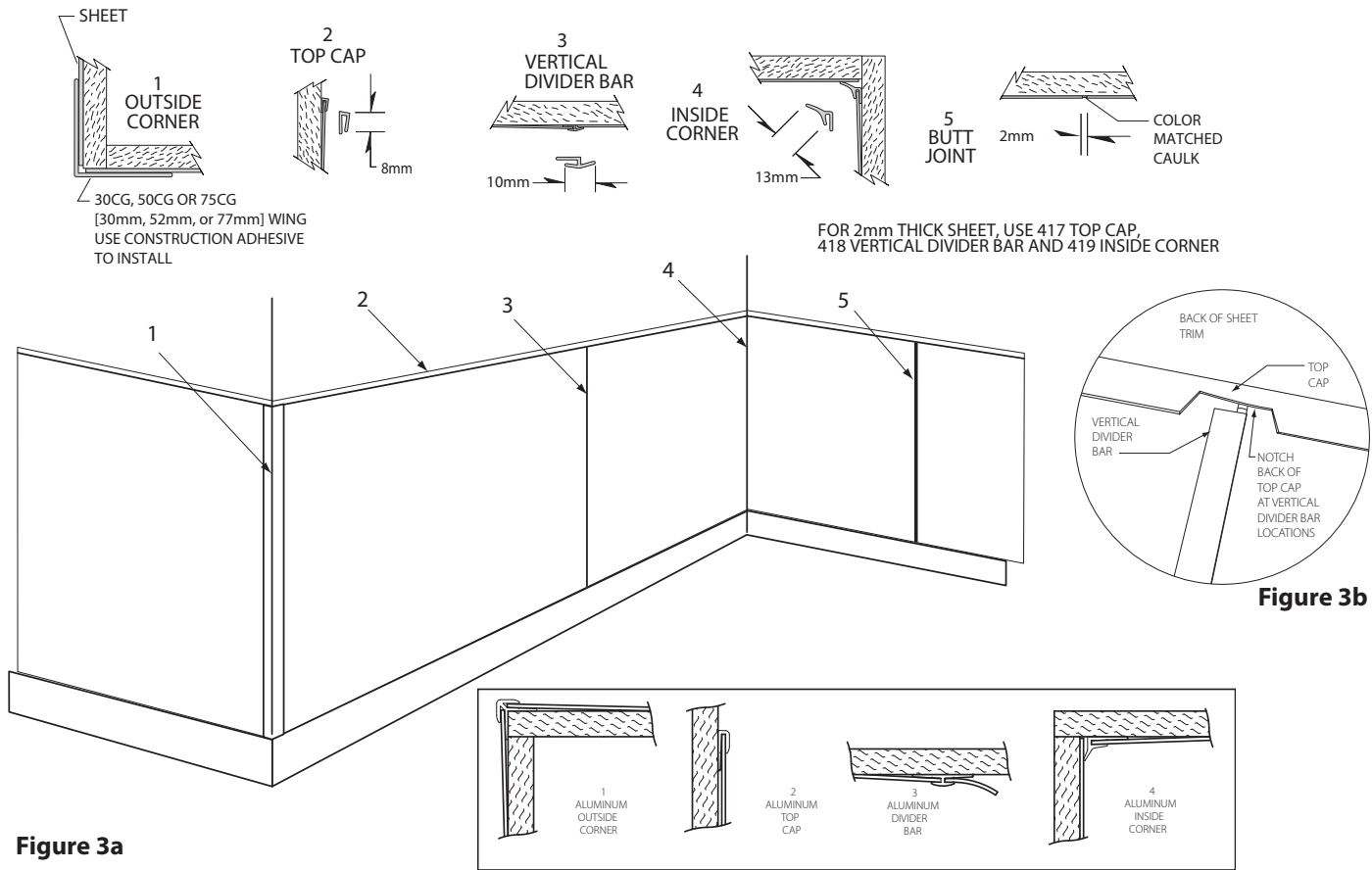


Figure 3a

Figure 3b

Trim Pieces (see figure 3a)

If using trim pieces with an InPro iBond installation, install the first sheet on the wall. Cut trim pieces with a metal straight edge and sharp utility knife. Slide vertical divider bars or inside corners on the next sheet to be installed. Overlap the edge of the sheet on the wall with the divider bar or inside corner. With aluminum divider bars, slide sheet into the divider bar. When using top caps and vertical divider bars, notch the back of the top cap where it intersects with the divider bar (see figure 3b). Install the top cap by sliding it on the top edge of the sheet after the sheet is in place. Roll all trim pieces and the entire sheet with an extension roller. Stainless Steel Trim - Cut stainless steel trim with a hack saw or similar. Tape exposed surfaces with painters tape to help protect it when cutting.

- Cut trim pieces with a sharp utility knife.
- Overlap trim piece over the first sheet installed.
- Notch the back of the top cap where it intersects the vertical divider bar.
- Slide top cap on edge of sheet after sheet is on wall.
- Roll all trim pieces and entire sheet with extension roller.
- Cut stainless steel trim with a hack saw or similar.

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Color Matched Caulk

Use Color Matched Caulk to fill in the joints between sheets. 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 Color Mtched Caulk following the same steps. Remove unwanted caulk, before it cures, with a water dampened cloth.

- 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. Cured adhesive is difficult to remove. Use mineral spirits and rub gently with a soft cloth. After adhesive is removed, wipe the area with a general purpose cleaner. Rinse the area with a water dampened cloth. Dry with a clean soft cloth.

- Upon Completion, remove layout marks, excess adhesive and surface blemishes.
- Cured Adhesive.
- Use mineral spirits and gently rub.
- Follow by wiping with a general purpose cleaner.
- Rinse sheet with water dampened cloth.

Maintenance

Rigid Sheet:

For general cleaning, use an general purpose cleaner. Use a clean, lint-free cloth and wipe clean.

1. Spray products onto sheet and wipe with a dampened cloth.
2. Repeat process if stain remains. If cleaning product residue remains, rinse with water.

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.