

475 Installation Instructions: ADHERO 3000 & CONTEGA SOLIDO IQ

BEFORE WE BEGIN

This method is for pre-taping of window openings in situations where nailing inspections are conducted prior to application of ADHERO 3000.

General Conditions

ADHERO 3000 is to be installed with the printed side facing out; it requires stable substrates to be installed (e.g. OSB, plywood, exterior gypsum, CLT wood fiber, CMU, concrete etc.). The membranes can be installed on walls vertically or horizontally in a shiplapped, waterproof manner. For roofs or walls where high loads of wind driven rain are expected, horizontal installation is recommended.

Substrate Preparation:

Clean substrate with brush or with a cloth/compressed air. Check substrate for nails, splinters, and unnecessary protrusions - this prevents punctures and damage to the membrane. Adhesion to frozen surfaces is not possible. To be adhered successfully to a surface, the area should be free of water-repellent substances (e.g. grease or silicones etc.).

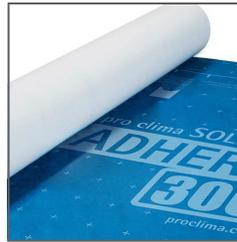
Substrates must be sufficiently dry and stable. Bonding and joints are possible on planed and painted wood, hard plastics and metal (e.g. pipes, windows etc.), hard wood-based panels (OSB, plywood and wood fiber board) and masonry substrates such as concrete or plaster. Concrete and plaster substrates must not be sandy or crumbling. It is your responsibility to check the suitability of the substrate; adhesion tests are recommended in certain cases.

Pretreatment with TESCON Primer RP can be necessary in the case of rough or porous surfaces such as wood fiber board insulation or substrates with insufficient stability.

Equipment:

PRESSFIX XL, ladder or scaffold, tape measure, utility knife, caulk gun, pencil, straight edge, and cutting board (plywood sheet).

Always follow site and construction safety procedures.



ADHERO 3000

A self-adhering, monolithic, vapor permeable membrane, durable weather resistive barrier or roof underlayment. This membrane doubles as a continuous air barrier and rainscreen waterproofing. Delivering first class safety and durability, is easy to install with its top release strip, full self-adhered backing and cutting guides.



CONTEGA SOLIDO IQ

Stretchy, waterproof, vapor-variable airsealing tape to connect window frames and openings to the exterior air barrier. The split release papers allow for precise and quick application of corners and around edges. Very good adhesion to stable masonry and concrete without the need for primer. The fleece side can be plastered/stuccoed over.



EXTOSSEAL ENCORS

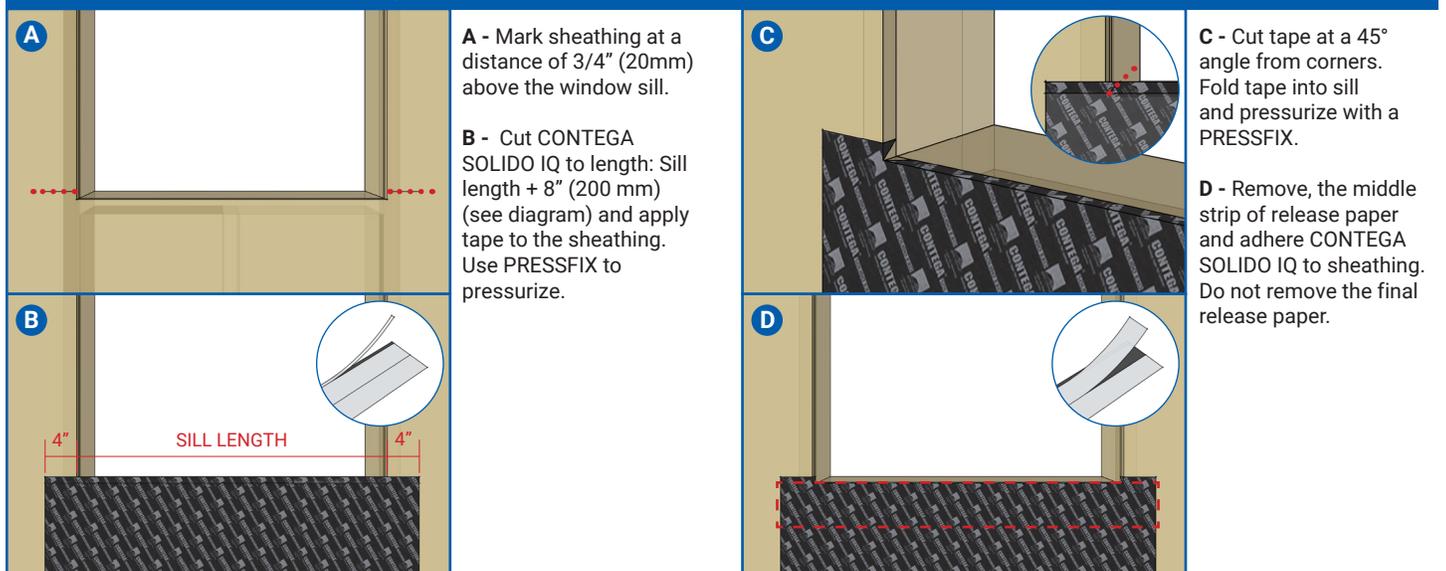
Sill tape to create water bearing connections to and under frames. Adhesive from butyl rubber modified with acrylate allows for cold weather application (>15°F / -10°C), is puncture resistant, has high adhesion strength, and is self-sealing. For connections to plaster, concrete, wood, wood fiberboard insulation, and membranes.



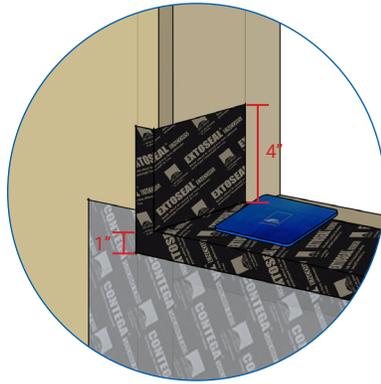
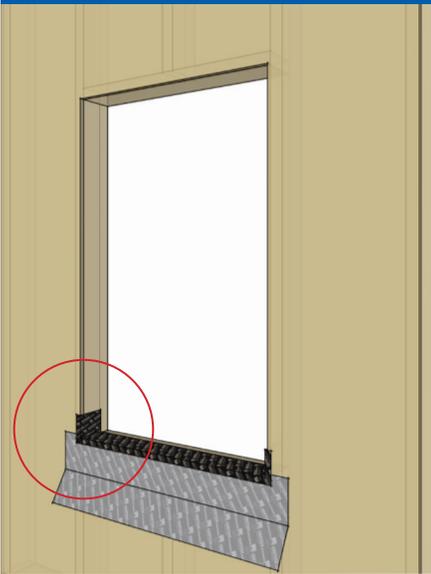
TESCON VANA

All-around interior and exterior vapor open (8 perms) air sealing for permanent airtight taped bonding of membranes, plywood, OSB, concrete, and a variety of airtight substrates. TESCON VANA is available in: 2 3/8" (60 mm), 3" (75 mm), 4" (100 mm), 6" (150 mm), and 8" (200 mm).

1 - CONTEGA SOLIDO IQ AT SILL



2 - EXTONSEAL ENCORS AT SILL



Install EXTONSEAL ENCORS on window sill, extending it up each side a minimum of 4" (100 mm). Use PRESSFIX to accurately press into corners.

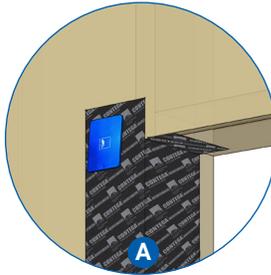
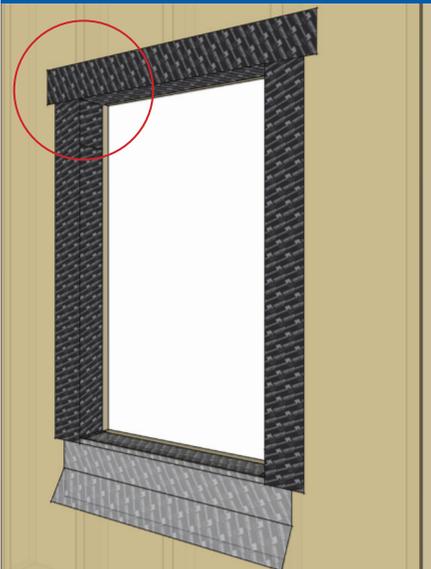
For back dams:

Use the narrow 3/4" (20 mm) release strip to adhere EXTONSEAL ENCORS to the back dam.

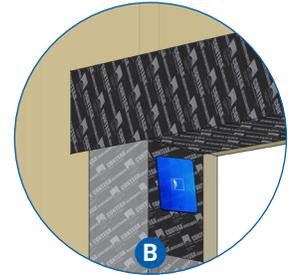
For sloped sills:

Apply EXTONSEAL ENCORS to the back of the sloped sill - sloped sill should extend at least to the inside face of the window. The EXTONSEAL ENCORS should overlap the vertical face of the WRB approximately 1" (25 mm). Trim back EXTONSEAL ENCORS with aid of a cutting board and press down and stretch around both corners.

3 - WINDOW HEAD AND JAMBS

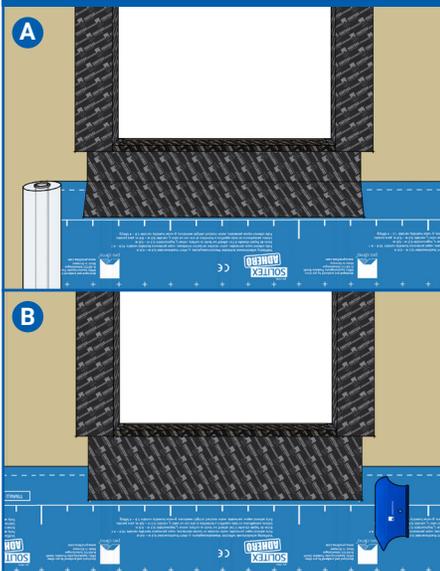


A - Cut the required length of tape (jamb height + 4" (100 mm)). Apply narrow and middle strips of tape to sheathing, centering the tape on the edge of the window side. Start 1" (25 mm) below the lower sill. Align edge of the release paper with the rough opening. The tape should end approx 3" (75 mm) above the window head. Cut the third release strip using a utility knife along the window head edge. Fold the tape into the opening and adhere to R.O. Press accurately into the corner with PRESSFIX.



B - For the head R.O. repeat the same process, but first cover the outer corner with a short piece of tape or seal pin hole with CONTEGA HF/VISCONN. Then cut tape 2" (50 mm) longer than CONTEGA SOLIDO IQ tapes that cover R.O. / sheathing on sides. Remove the 6" (150 mm) + 3/4" (20 mm) release paper and align the center of the tape with the edge of the window head. Adhere and pressurize with PRESSFIX. Cut the third release strip using a utility knife along the window head edge. Fold the tape into the opening and adhere to R.O. Press accurately into the corner with PRESSFIX.

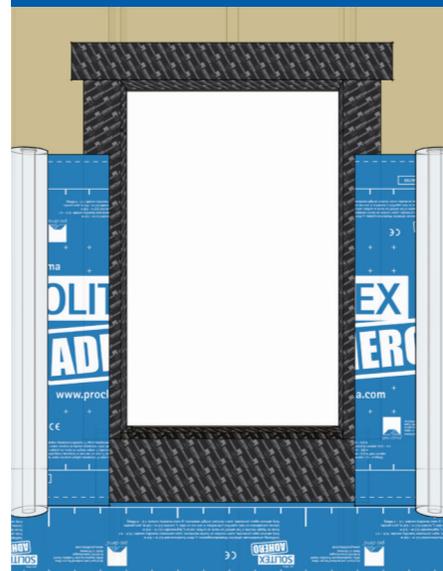
4 - ADHERO 3000 UNDER CONTEGA SOLIDO IQ



A - After a framing inspection: Roll out and apply ADHERO 3000 membrane under the unadhered 6" (150mm) strip of CONTEGA SOLIDO IQ tape.

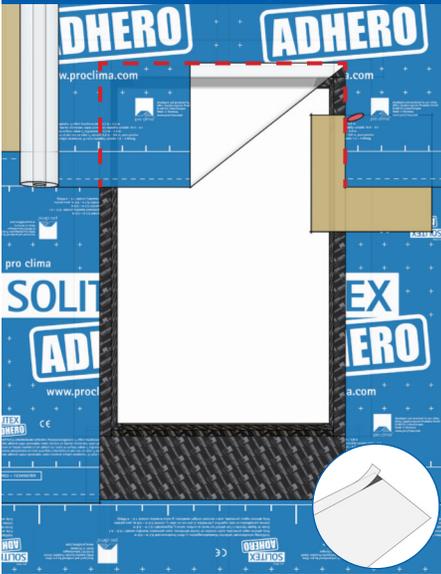
B - Adhere CONTEGA SOLIDO IQ to ADHERO 3000 by removing the final release paper, pressurize using PRESSFIX XL.

5 - ADHERO 3000 LAYER 2



Apply ADHERO 3000 to sides of R.O. Overlap ADHERO 3000 at least 3" (75mm) over CONTEGA SOLIDO IQ on sides and a minimum of 4"-6" (100-150 mm) over ADHERO 3000 below. Pressurize using PRESSFIX XL.

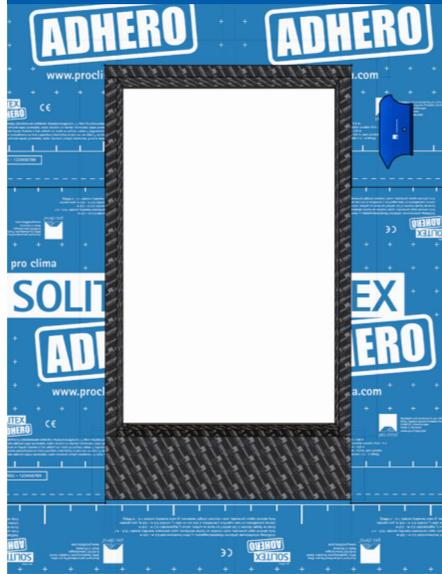
6 - ADHERO 3000 LAYER 3 ROLL AND CUT



Apply ADHERO 3000 over the head of the window. Adhere top 10" (250 mm) wide strip first. This will allow you to trim excess material at window opening without damaging CONTEGA SOLIDO IQ tape below.

Then trim the ADHERO 3000 approximately 1-2" (25 mm-50 mm) from edge of R.O. (use a cutting board behind to avoid damaging the CONTEGA SOLIDO IQ tape behind).

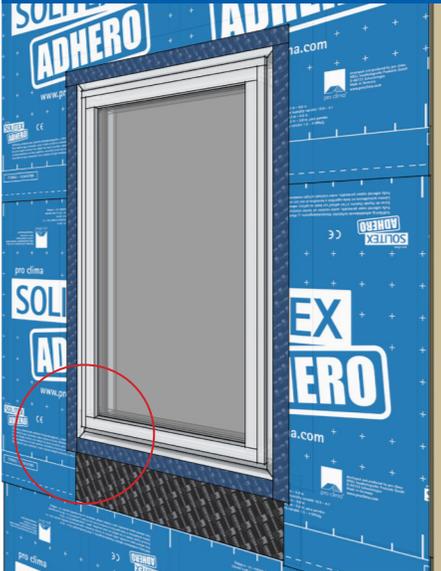
7 - PRESSURIZE WITH PRESSFIX



Pressurize ADHERO 3000 membrane with PRESSFIX XL.

Optionally cover ADHERO 3000/ CONTEGA SOLIDO IQ edges with TESCON VANA tape, this is recommended in high wind/rain areas or when the ADHERO 3000 membrane will be left exposed for more than 3 months.

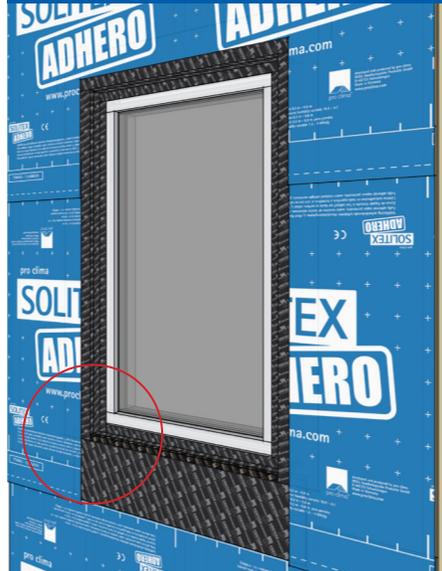
8A - FLANGE WINDOW OPTION



Use 2 3/8" (60 mm) TESCON VANA or CONTEGA SOLIDO IQ tape to seal side and top flanges to the ADHERO 3000 membrane. Sealing bottom is optional and per window manufacturers recommendations. Pressurize firmly with a PRESSFIX.

Note: Taping should be done from bottom to top to ensure all tape joints are properly shiplapped.

8B - EUROPEAN WINDOW OPTION



Seal frames with CONTEGA SOLIDO IQ to taped window bucks. Start on the bottom and work your way up for proper shiplapping. Use pre-made L-shaped corners for most accurate sealing of corners. Apply tapes to windows as per manufacturers recommendations and installation instructions-note drainage planes, condensation weeps etc. Pressurize tape firmly with a PRESSFIX.

9 - BATTENS FOR VENTILATED SIDING



It's recommended to use a vented rainscreen for optimum performance and drying capacity of all Pro Clima WRBs. When constructing a rainscreen a min. 3/4" (20 mm) ventilated cavity is recommended.

Install vertical battens on top of membrane. For vertical siding/roofing, add horizontal battens on top of the vertical battens.

Make sure that your siding screws/nails do not puncture the ADHERO 3000 membrane when being installed.