

PLEASE NOTE

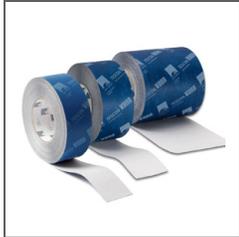
Ensure rough openings and substrates are dry, clean, and free of dust, silicones, and grease. Do not adhere to materials that are iced/frozen over.

Equipment: PRESSFIX, staple gun or pneumatic stapler, rust resistant T50 staples (min. 3/8" crown, 3/16" legs), ladder, tape measure, utility knife, masking tape, pencil, straight edge, and cutting board (plywood sheet).

Always follow site and construction safety procedures.

**EXTONSEAL 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), 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, primed concrete, and a variety of airtight substrates. Tescon Vana tape comes in a variety of widths: 2 3/8" (60mm), 3" (75mm), 4" (100mm), 6" (150mm), and 8" (200mm).

**TESCON PROFIL & TESCON PROTECT**

Same high performance tape properties as Tescon Vana - but with 3 split release paper (PROFIL) or pre-folded on a roll with one release strip (PROTECT) to make airtight connections and waterproof seals at corners, window frames and beams.

**CONTEGA SOLIDO EXO**

Stretchy, waterproof, vapor open 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.

**PRESSFIX**

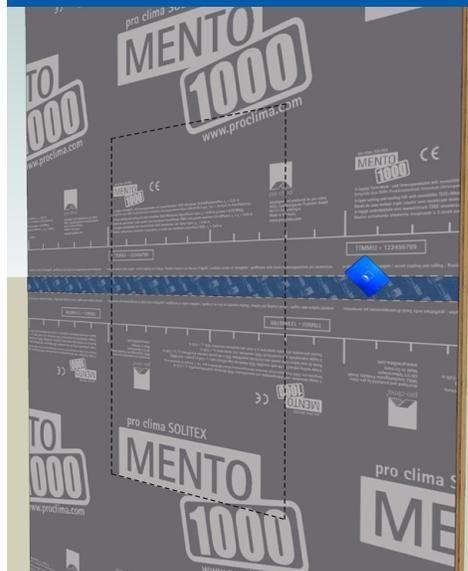
Application tool made from flexible plastic. It is suitable for uniform pressing of adhesive tapes to surfaces of all kinds. The tool can be used to provide sufficient pressure to get the optimum bond with ProClima tapes.

**SOLITEX MENTO 1000**

Vapor open high performance WRB, housewrap, and roof underlayment. Provides superior weather protection which resists 33' of water column. Remains airtight and actively vapor open with its monolithic TEEE film layer.

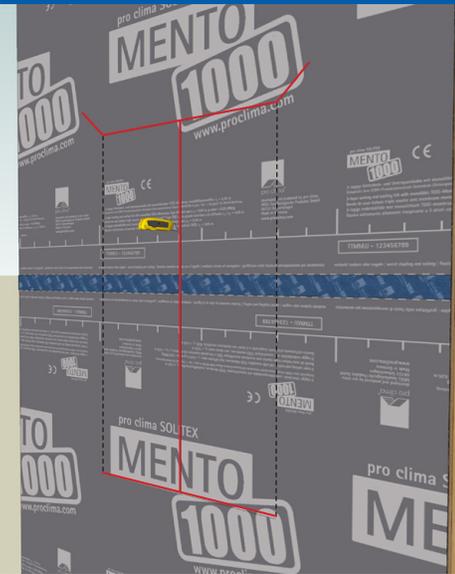
**INTELLO PLUS**

Intelligent vapor retarder for first-class interior air sealing of walls and ceilings with an integrated reinforcement layer for use with dense pack insulations. Offers high diffusion tightness (0.13 perm) when low relative humidity, and maximum diffusion openness (13.20 perm) when high relative humidity.

1 - ROUGH OPENING**2 - INSTALL EXTERIOR MEMBRANE**

Install the WRB over sheathing per SOLITEX MENTO 1000 wall application instructions. Use TESCON VANA tape to airseal membrane overlaps. Use the dotted lines on ProClima membranes to align overlaps properly and as a guide to center the tape over the joint. Press tape firmly with a PRESSFIX tool.

3 - CUT WINDOW OPENING IN WRB



Cut along the top of the rough opening. Cut from the top corners of the RO at 45° angles up and away from the center. Cut down the center to the bottom of the RO, and then cut along the bottom edge of the RO.

4 - FIT MEMBRANE AROUND OPENING

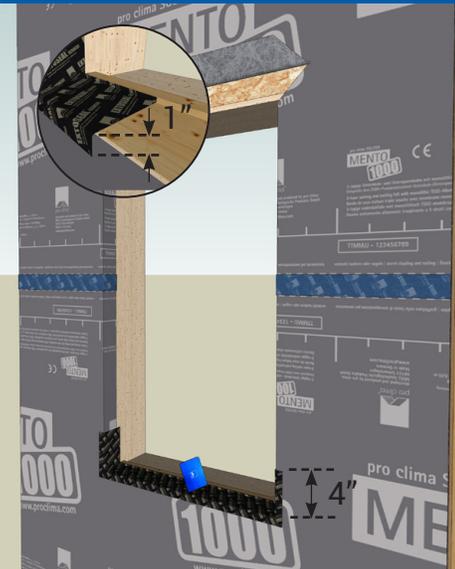


Fold up upper part of membrane and temporarily hold in place with masking tape. This is so it can be installed over the header flange of the window later.

Fold back the other two edges of the membrane into the rough opening and secure by stapling.

To ensure positive drainage of the sill/prevent water intrusion, add a back dam or slope sill at the bottom of the RO.

5 - SILL TAPE



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

For back dams: The narrow release strip on ENCORS can be used to first adhere the tape to the back dam and then into the field.

For sloped sills: Apply ENCORS to the back of the sloped sill - sloped sill should extend at least to the inside face of the window.

The ENCORS should overlap the vertical face of the WRB approximately 1". Trim back ENCORS with aid of a cutting block and press down and stretch around both corners.

6 - INSTALL WINDOW



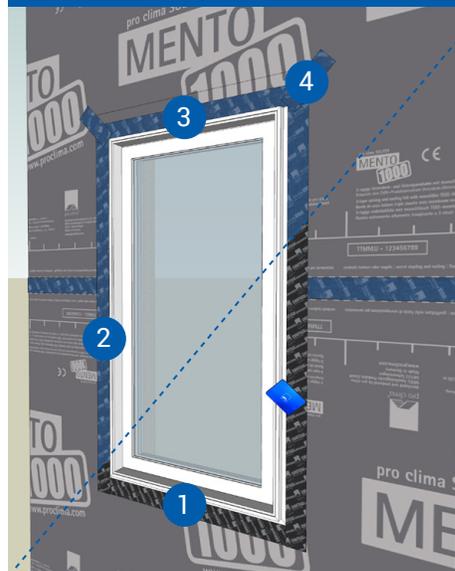
Install the flanged window and fasten to structure per manufacturer's instructions.

7 - MEMBRANE AT TOP FLANGE



Unfold the membrane and run it over the top flange.

8 - FLANGE TAPE



(1) Use 2 3/8" TESCON VANA or CONTEGA SOLIDO EXO tape to seal the bottom flange to the membrane. Press firmly with a PRESSFIX tool (typ.)

(2) Tape the side flanges to the membrane.

(3) Tape the membrane to the top flange.

(4) Tape the diagonal cuts in the membrane above the window head.

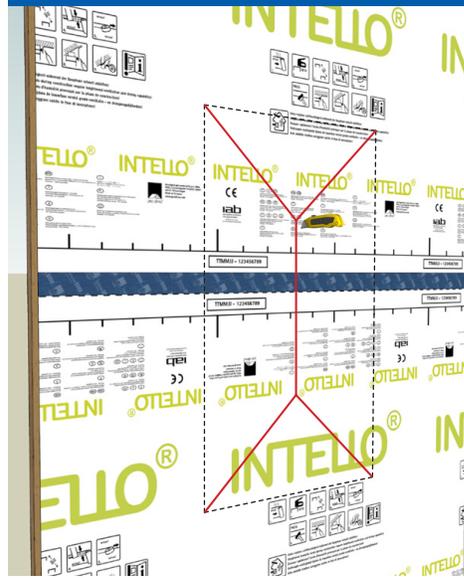
Note: make sure taping is done from bottom to top - so all tape joints are properly shiplapped.

9 - INSTALL INTELLO



Install INTELLO on the interior of the wall per INTELLO installation instructions. Use TESCON VANA tape to airseal membrane overlaps. Use the dotted lines on ProClima membranes to align overlaps properly and as a guide to center the tape over the joint. Press tape firmly with a PRESSFIX.

10 - CUT MEMBRANE



Cut the membrane from each of the corners of the rough opening towards the center at 45° angles. Then cut vertically down the center.

11 - FIT MEMBRANE AROUND OPENING



Fold back the edges of the membrane into the rough opening and secure by stapling.

12 - INTERIOR AIRSEALING



Use rectangles of INTELLO to cover exposed rough opening sheathing and staple into place. Airseal these patches with TESCON VANA tape to the surrounding membrane. Press tape firmly with a PRESSFIX.

13 - L-SHAPE PRE-MADE CORNERS



(1) On a 4-6" long piece of TESCON PROFIL/PROFECT/SOLIDO SL tape, cut through the narrow section of the tape - stay 1/16" from edge. Pre-fold tape at cut location.

(2) PROFIL/SOLIDO SL: Remove release paper from one side of cut to approximately 1" from fold.

(3 - 4) Fold narrow section down, then fold wide section at cut and adhere exposed tape edge to the front of the other strip.

(5) Remove release paper from other side.

(6) Apply pre-made L-corner to window. Use a PRESSFIX to press folds firmly to window. Remove the additional release paper strips and adhere to INTELLO.

14 - INTERIOR AIRSEALING



After installation of the L-shape pre-made corners, seal the window frame to the INTELLO. Apply narrow sections of TESCON/CONTEGA tape to the frame - make sure to work bit by bit - so tape will not be applied to parts of the frame that won't be covered by trim/ drywall. Remove wide release strips from the tape and apply firmly to INTELLO. Ensure there is at least a 1" overlap of tape connections.

Other Installation Guides from 475 High Performance Building Supply

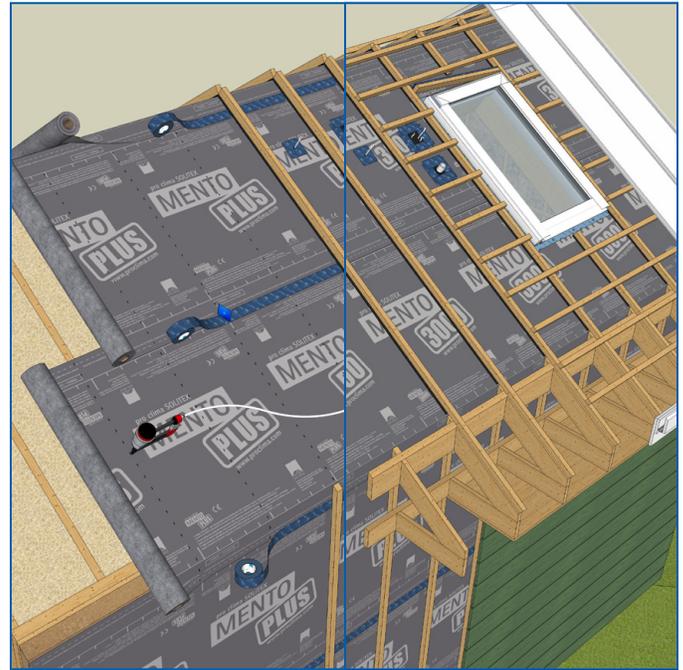


INTELLO INSTALLATION



For INTELLO installation details, please use the appropriate method per our wood frame or metal frame installation manuals, available at www.foursevenfive.com or www.foursevenfive.ca

SOLITEX MENTO AT ROOFS



For SOLITEX MENTO installation details, please use the appropriate method per our MENTO PLUS or MENTO 3000 installation manuals, available at www.foursevenfive.com or www.foursevenfive.ca

More Knowledge and Components from 475 High Performance Building Supply



GUTEX

Wood fiberboard insulation that is both exterior insulation and WRB/roof underlayment in one. High quality single-ply construction, tongue & groove edges at R-3.7 per inch. Available in a variety of thicknesses.



475 Project Spotlight

Visit 475's blog for a series of high performance case studies to see the products in use and making a difference.

The information provided here is based on practical experience and the current state of knowledge. Since all projects are different, the architect, engineer, designer, and installer should adapt these recommendations for the specific application situation and verify application by continuous quality control of work. We reserve the right to make changes to the recommendations given or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about the application and construction can be found in the 475/pro clima planning documentation.