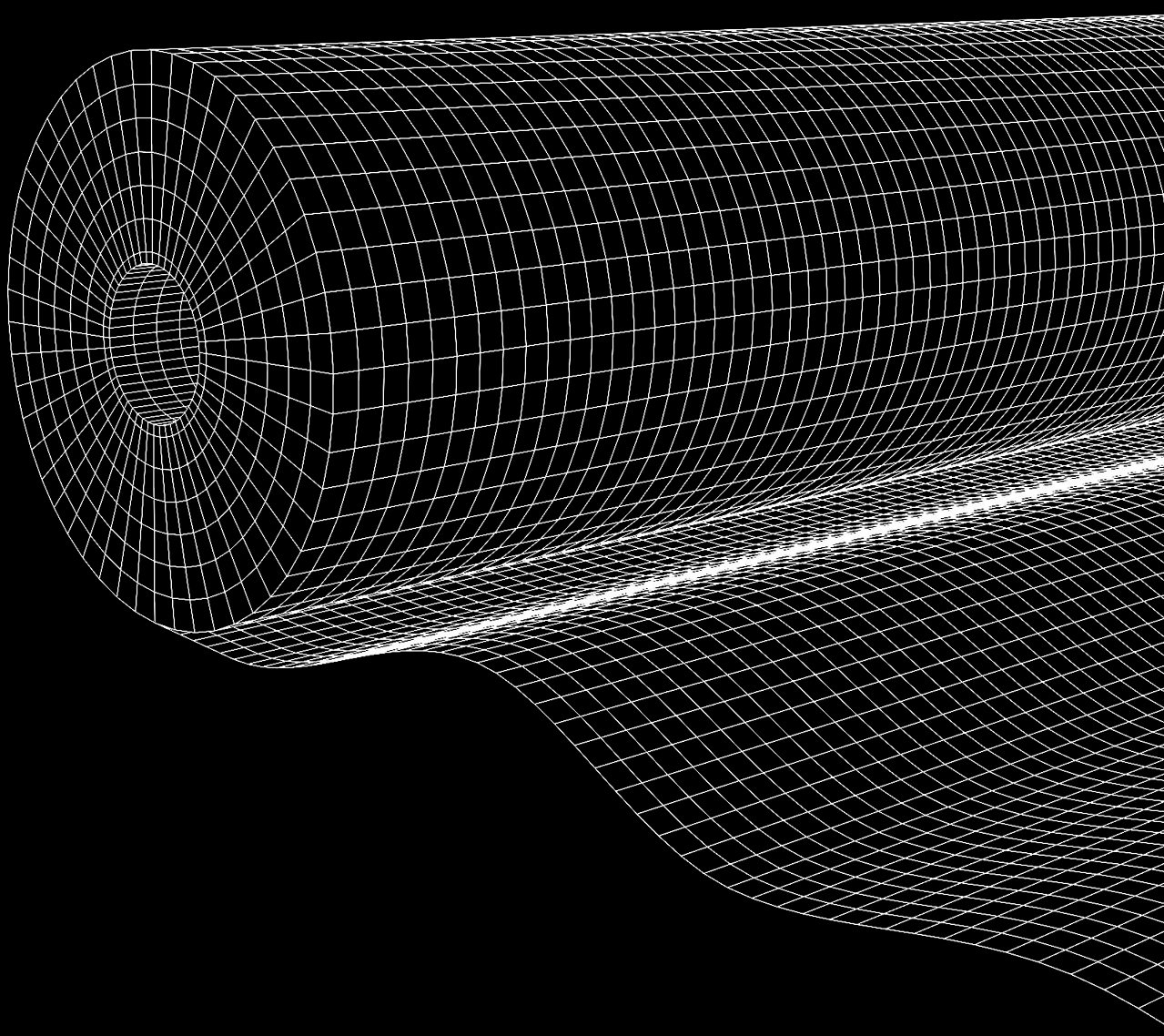
INSTALLATION GUIDE

OBEX CORTEX FR®

9021FR
Breathable Membrane
Install Guide



OBEX®

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Important Notes

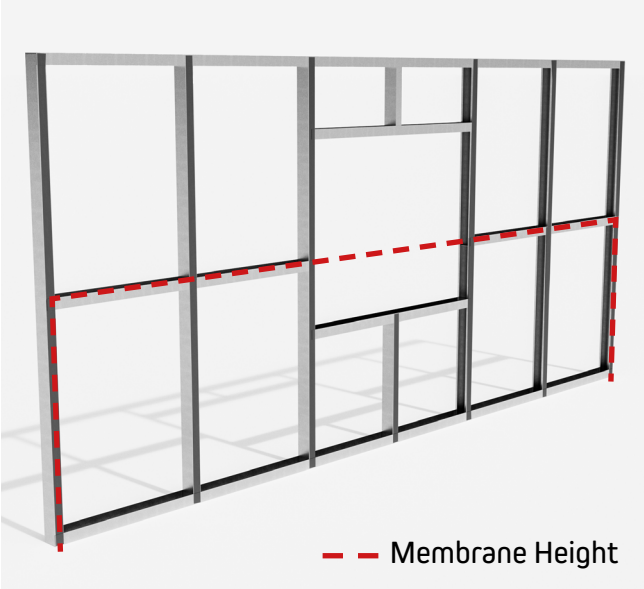
» Please ensure a minimum overlap of 150mm between sections of the OBEX CORTEX Breathable Membranes.

» Ensure that all exposed edges of the OBEX CORTEX Breathable Membrane are thoroughly sealed using OBEX CORTEX 0823FR UV Façade Tape for optimal protection and performance.

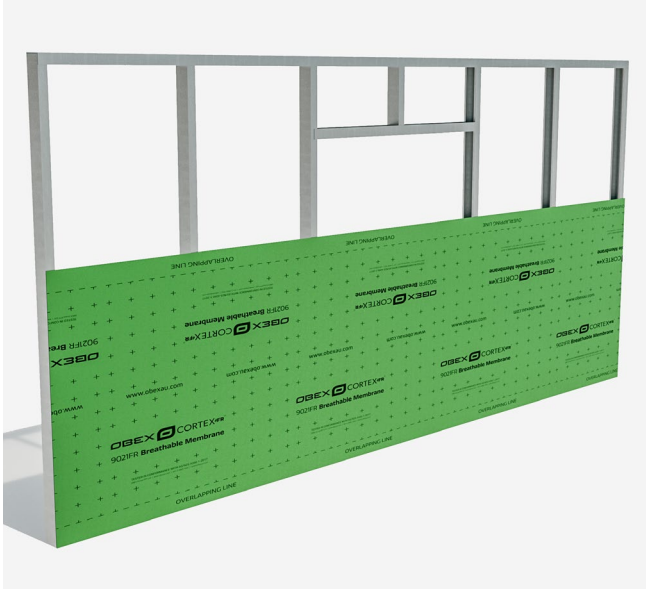
Metal Frame - Membrane onto Frame Installation

1 **Metal Framing Preparation**
Before installing the Membrane, carefully remove any sharp edges or burrs to prevent potential damage to the membrane during installation and ensure the surface is clean and free from any contaminants.

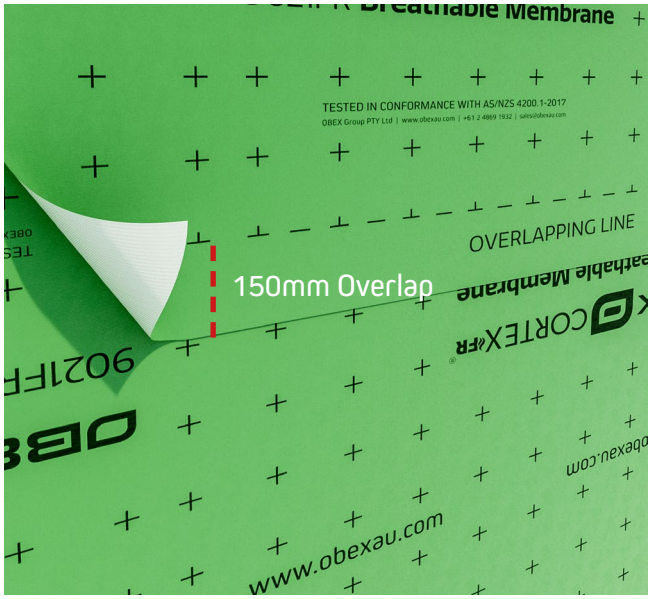
2 **Apply Double Sided Tape**
Apply Double Sided Tape to all external faces of the metal framing. Press firmly onto the framing to ensure a good bond.



3 **Membrane Installation Setting Out**
From the bottom of the framing, measure and mark the exact height corresponding to the width of the membrane. This will indicate where the top of the first layer of the Membrane should be installed.



4 **Securing The Membrane**
First, remove the release liner from the area designated for the initial Membrane layer. Align with the marked line and pull taut and affix the top edge securely. Then, pull and fix the bottom center edge, followed by securing both bottom corners tautly. Finally, press down across the entire Membrane section to ensure firm adhesion to the Double-Sided Tape.



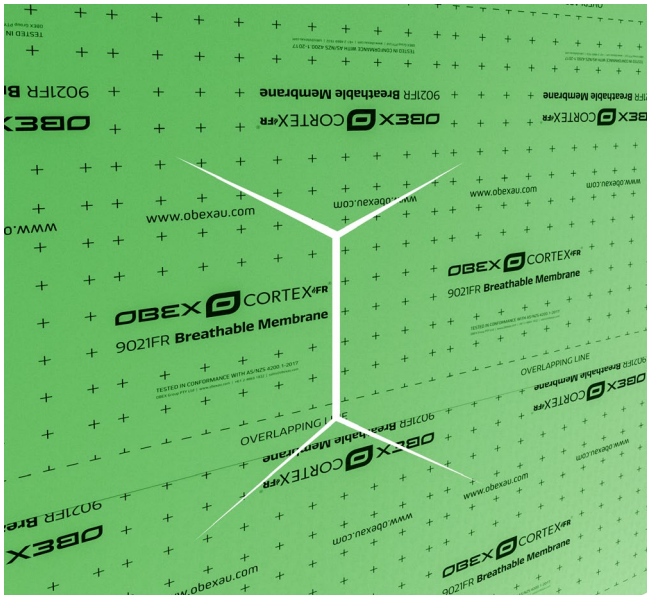
5

Installing Additional Membrane Layers
Continue installing the Membrane layers above the first, using the same steps. Ensure each new layer overlaps the one beneath by 150mm, maintaining this consistency for all subsequent layers. This overlap is key for seamless coverage and optimal performance of the membrane system.

6

Overlap Edge Sealing
Use OBEX CORTEX UV Facade Tape to seal all horizontal overlaps of the Membrane. Ensure to apply firm pressure for secure and effective adhesion.

Metal Window Reveal Dressing

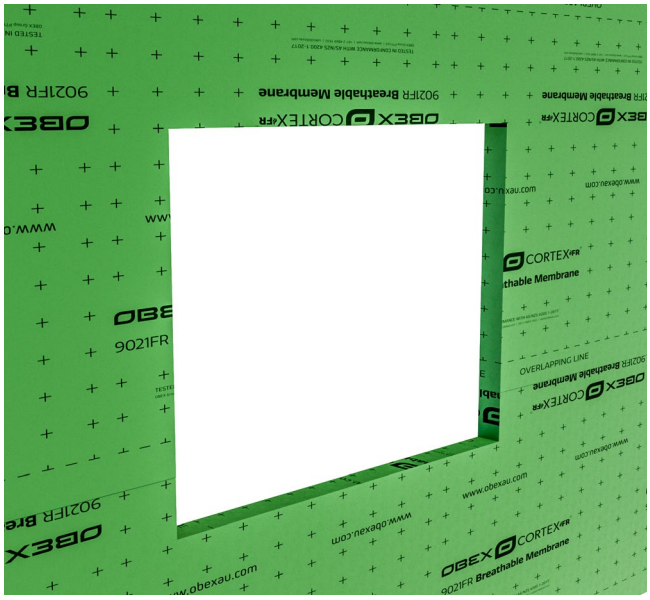


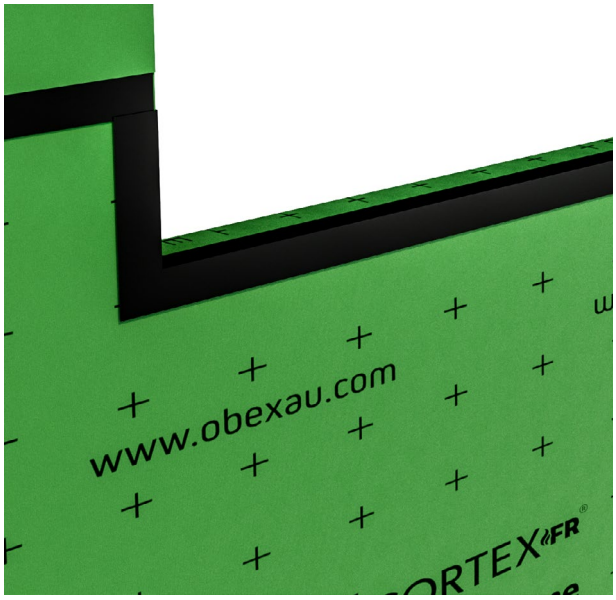
1

Window Reveal Dressing
Cut the Membrane from the center of the window area out towards each of the four corners. This will create four flaps that can be neatly folded back into the window reveal.

2

Apply Double Sided Tap To Reveals
Attach Double-Sided Tape along the rear edge of all four sides of the window reveal, then carefully remove the release liner. Ensure the surfaces are clean prior to tape application.





3

Lining The Reveal
Fold the Membrane flaps into the reveal, firmly pressing them onto the Double-Sided Tape. Trim any excess membrane to align with the back edge of the metal framing for a neat finish.

4

Sealing The Corners Of The Reveal
The next step is to thoroughly seal all corners of the reveal. Start by applying tape directly over the Membrane in each corner. Ensure the tape is firmly pressed into place, covering the membrane completely in these areas. Once the corners are secured, continue by stretching the tape around both the front and back of the framing.

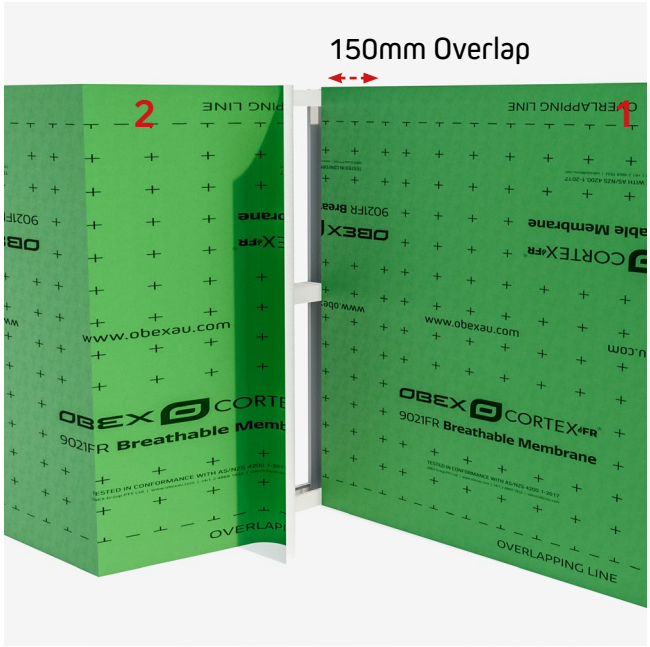
5

Applying The Tape To Sill
Repeat this process for the rear edge of the frame, then do the right a left hand side and finish off with the header.

Metal Internal Corner Membrane Installation

1 **Internal Corner Layout**
For internal corners, the membrane should be installed in two separate sections. This approach prevents the creation of a radius in the corner and reduces the risk of accidental penetrations.

2 **Applying The Membrane To Each Face**
First, align the membrane tightly into the corner and extend it outwards along the wall. Fix it back to the frame following the methods outlined in the previous instructions.



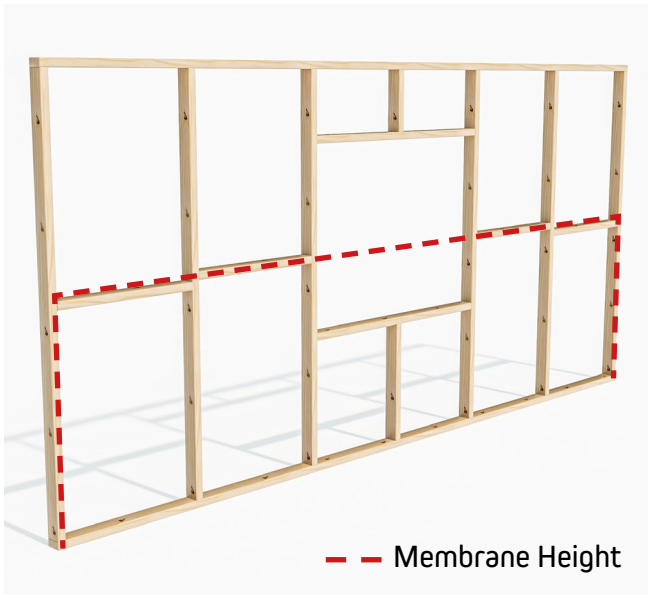
3 **Cut The Membrane To Suit**
Pull the second section of the membrane into the internal corner and trim it to ensure a 150mm overlap. Securely fix it back to the frame, following the previously described method.

4 **Sealing & Taping The Corner**
Press the membrane firmly into the corner to prevent any radius formation. Then, bond it back to the first piece of membrane using Double-Sided Tape. Finally, seal the exposed edge with UV Facade Tape.

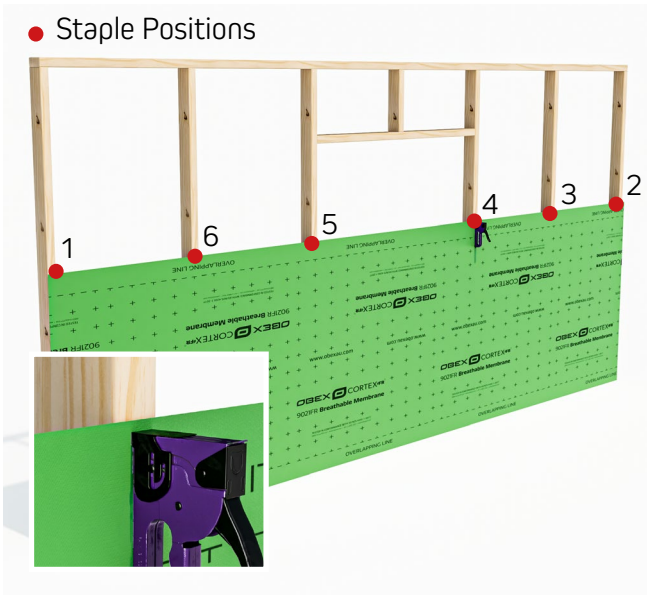
Wood Frame Installation

1 **Staples Guidance**
Staples must be galvanised or stainless-steel and at least 12mm wide and a minimum of 1.3mm thick.

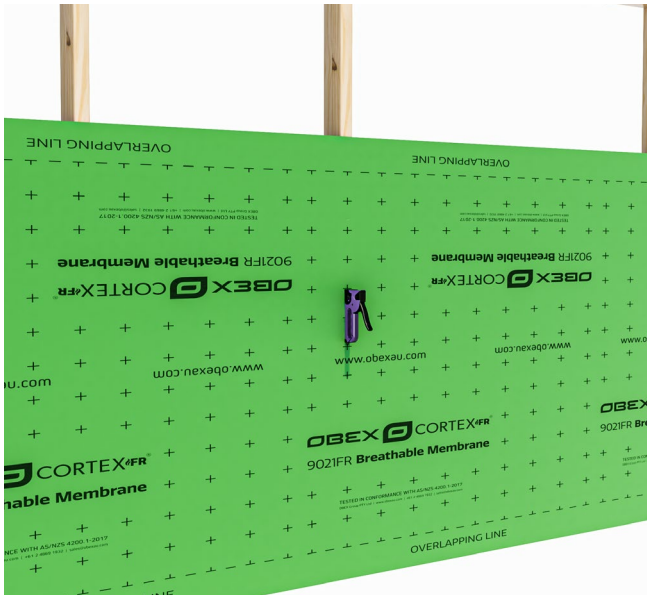
2 **Wood Framing Preparation**
Before installing the Membrane, carefully check the wooden frame for any protrusions or sharp edges like nails or metal strapping that may tear or pierce the membrane surface of the membrane.
We would also recommend that all surfaces are clean and dust free.



3 **Membrane Installation Setting Out**
From the bottom of the framing, measure and mark the exact height corresponding to the width of the membrane. This will indicate where the top of the first layer of the Membrane should be installed.



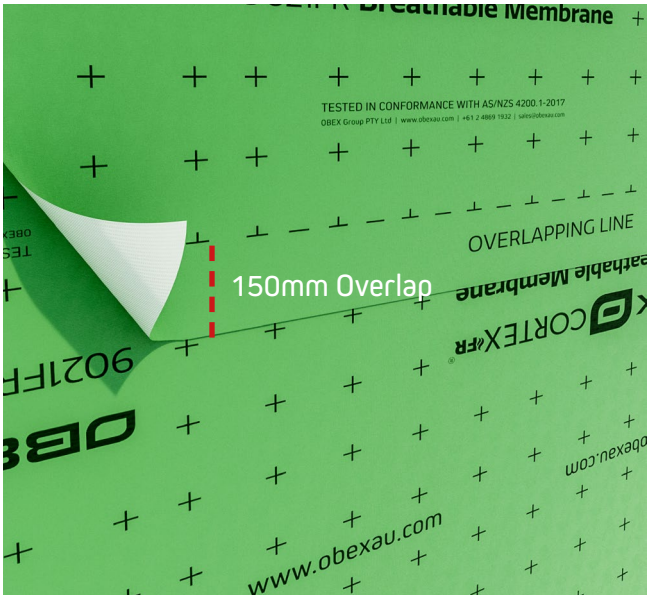
4 **Fixing Membrane Bottom Edge**
Using a trade rated stapler, secure the top corner of the membrane with 4-6 staples and then roll out the membrane across the studs. If required, trim to length and pull taught and secure the opposite corner in the same way. Continue to secure the top edge at all possible fixing points.



5

Securing the membrane

Once the top edge and corners of the membrane have been sufficiently secured, pull the membrane down from the center until taught and secure with 2-4 staples. Then pull taught and fix each bottom corner with a further 2-4 staples. Once the top and bottom edges of the membrane are secured fix the membrane back at each vertical stud with 3 evenly spaced staples.



6

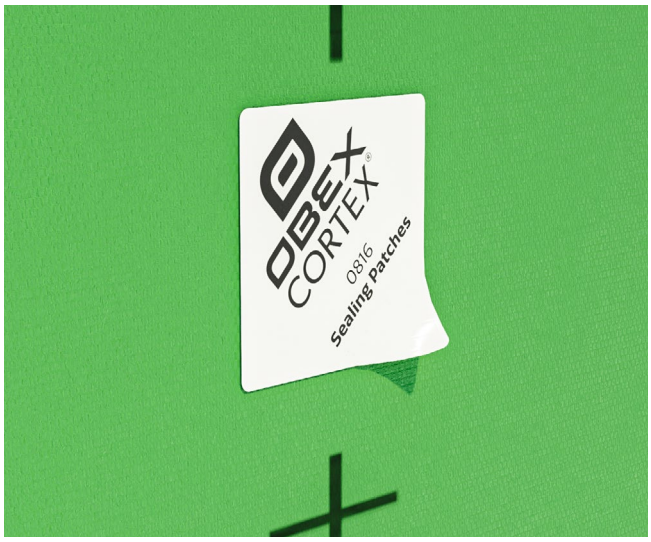
Installing Additional Membrane Layers

Continue installing the Membrane layers above the first, using the same steps. Ensure each new layer overlaps the one beneath by 150mm, maintaining this consistency for all subsequent layers. This overlap is key for seamless coverage and optimal performance of the membrane system.

7

Membrane Edge Sealing

Once the membranes have been installed seal all vertical and horizontal overlaps with UV Facade Tape. Ensure to apply firm pressure for secure and effective adhesion.

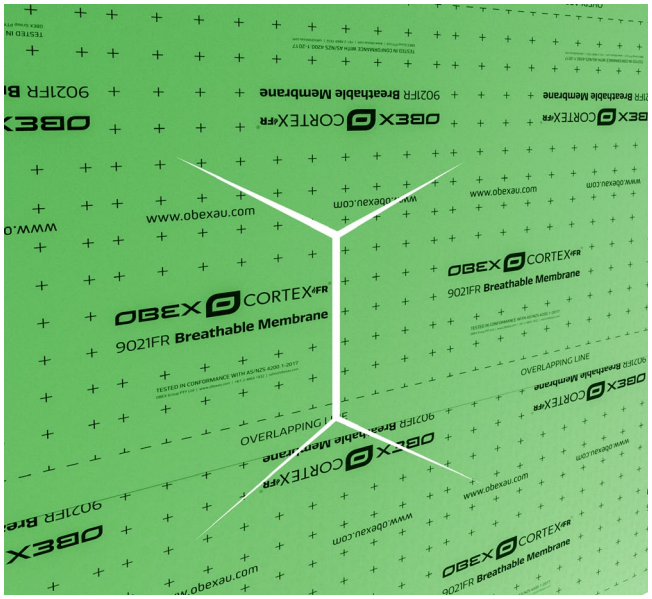


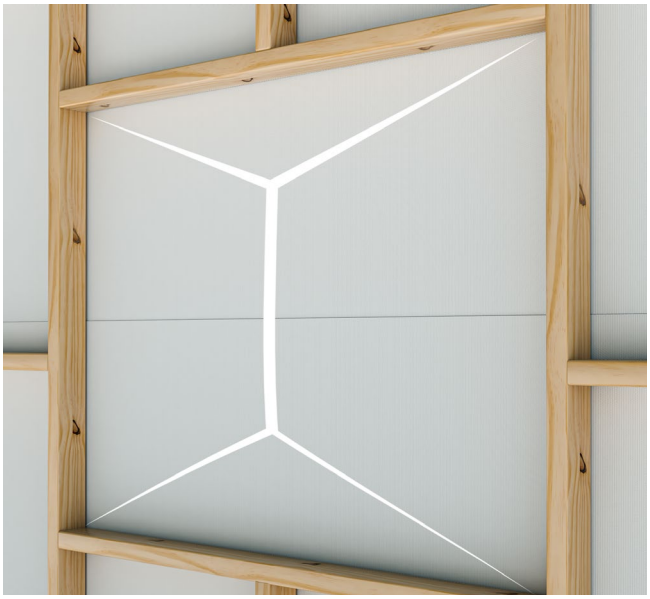
8

Staple Head Sealing

Cut squares of the OBEX CORTEX UV Facade Tape and place over each staple to ensure the maximum level of airtightness and weather resistance.

Wood Window Reveal Dressing



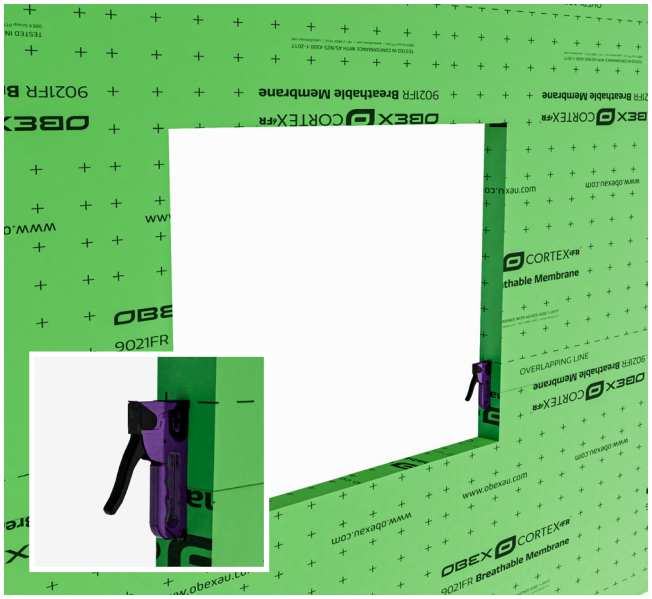


1

Window Reveal Dressing
Cut the Membrane from the center of the window area out towards each of the four corners. This will create four flaps that can be neatly folded back into the window reveal.

2

Apply Double Sided Tap To Reveals
Ensure all four sides of the window reveal are clear and smooth then fold the flaps back into the reveal.



3

Lining The Reveal
Staple the flaps to the wood, keeping the membrane taught. Secure with staples around the reveal trimming back any excess membrane to align with the back edge of the wooden framing for a neat finish.

4

Sealing The Corners Of The Reveal
The next step is to thoroughly seal all corners of the reveal. Start by applying tape directly over the Membrane in each corner. Ensure the tape is firmly pressed into place, covering the membrane completely in these areas. Once the corners are secured, continue by stretching the tape around both the front and back of the framing.

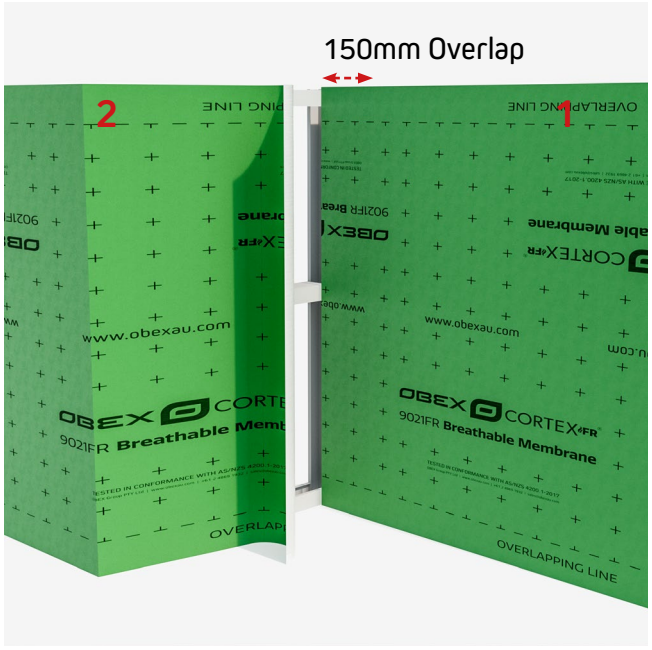
5

Applying The Façade Tape To Sill
Repeat this process for the rear edge of the frame, then do the right a left hand side and finish off with the header.

Wood Internal Corner Membrane Installation

1 **Internal Corner Layout**
For internal corners, the membrane should be installed in two separate sections. This approach prevents the creation of a radius in the corner and reduces the risk of accidental penetrations.

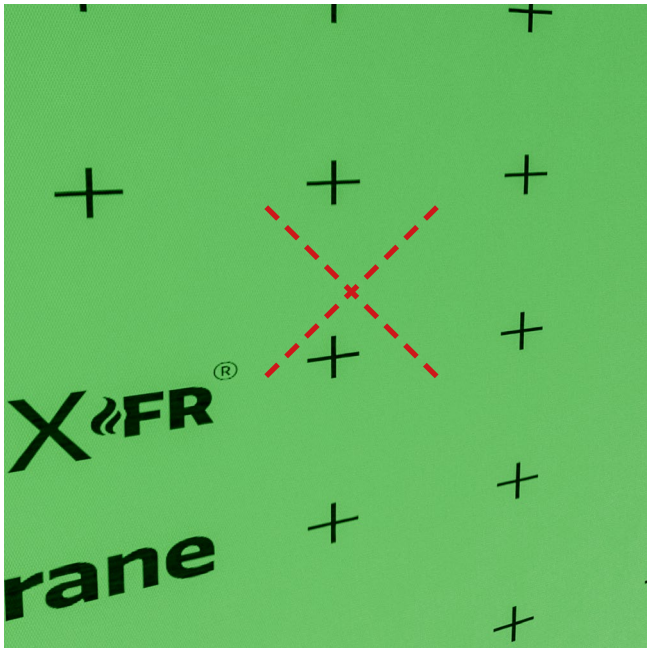
2 **Applying The Membrane To Each Face**
First, align the membrane tightly into the corner and extend it outwards along the wall. Fix it back to the frame following the methods outlined in the previous instructions.



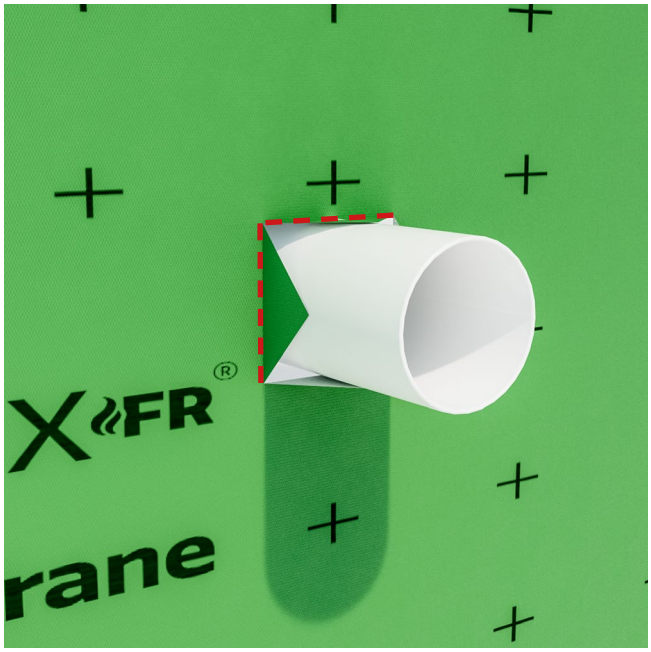
3 **Cut The Membrane To Suit**
Pull the second section of the membrane into the internal corner and trim it to ensure a 150mm overlap. Securely fix it back to the frame, following the previously described method with staples then seal with patches of UV Facade Tape.

4 **Sealing & Taping The Corner**
Press the membrane firmly into the corner to prevent any radius formation. Then, bond it back to the first piece of membrane using OBEX Double-Sided Tape. Finally, seal the exposed edge with OBEX UV Facade Tape.

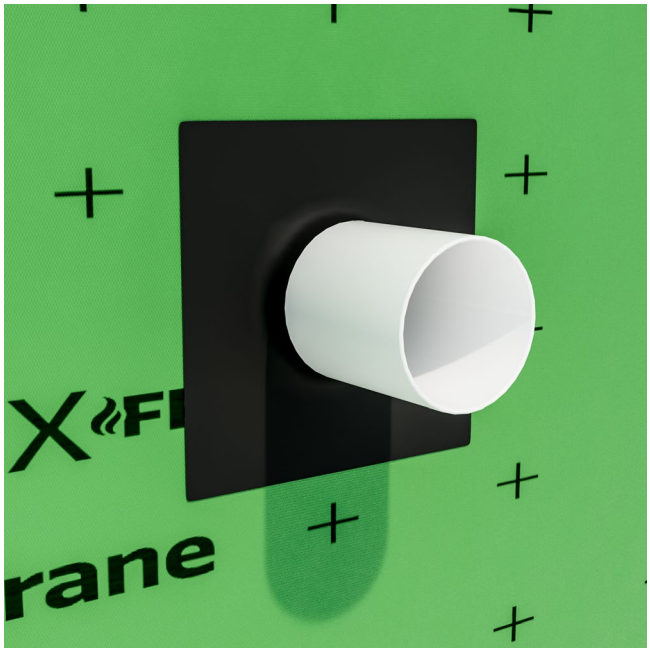
Penetration Sealing



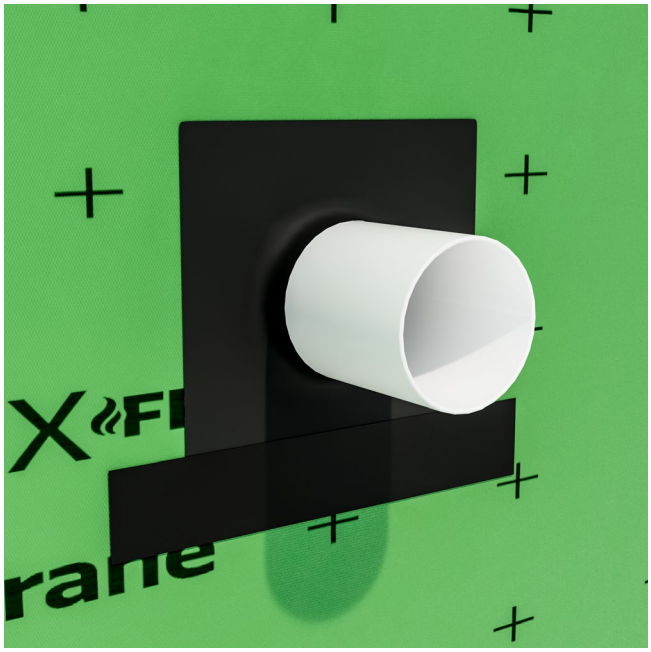
1 **Cut For Penetrations**
Make two 45-degree slits through the membrane, ensuring they are large enough to accommodate the diameter of the pipe. Be careful not to extend the cuts too far.



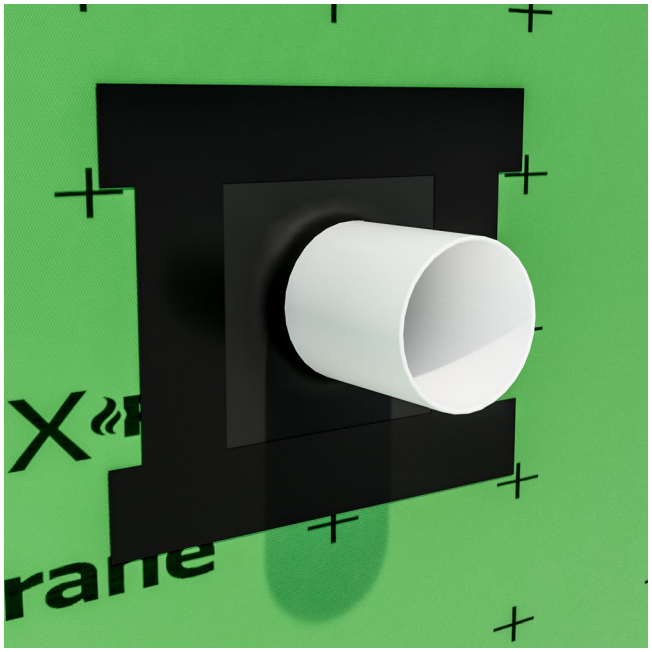
2 **Push Pipe Through**
Insert the pipe through the cuts in the membrane, and then trim away any excess material to aid the installation of the EPDM sealing collar.



3 **Installing The EPDM Sleeve**
First, make sure the pipe is clean. Then, stretch the EPDM sealing collar over the pipe ensuring a tight fit. Slide the collar up until it sits snugly against the face of the membrane.



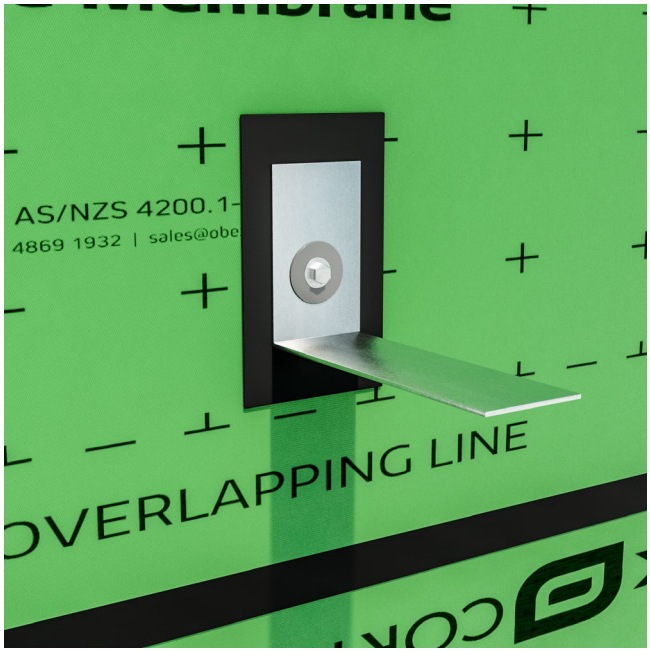
4 **Sealing Collar Edge Sealing**
Begin by applying the UV Facade Tape along the bottom edge of the collar. Ensure that it forms a good bond onto both the collar and the Membrane.



5

Sealing Collar Edge Sealing Cont.
Next, apply the UV Facade Tape Tape to the left and right edges of the collar. Finish by placing a final piece of tape across the top edge. Following this sequence is important to ensure a good seal.

Attachment Sealing



1

Sealing Other Attachments
For attachments fixed to the studs through the membrane we would recommend sealing all edges with UV Facade Tape.

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