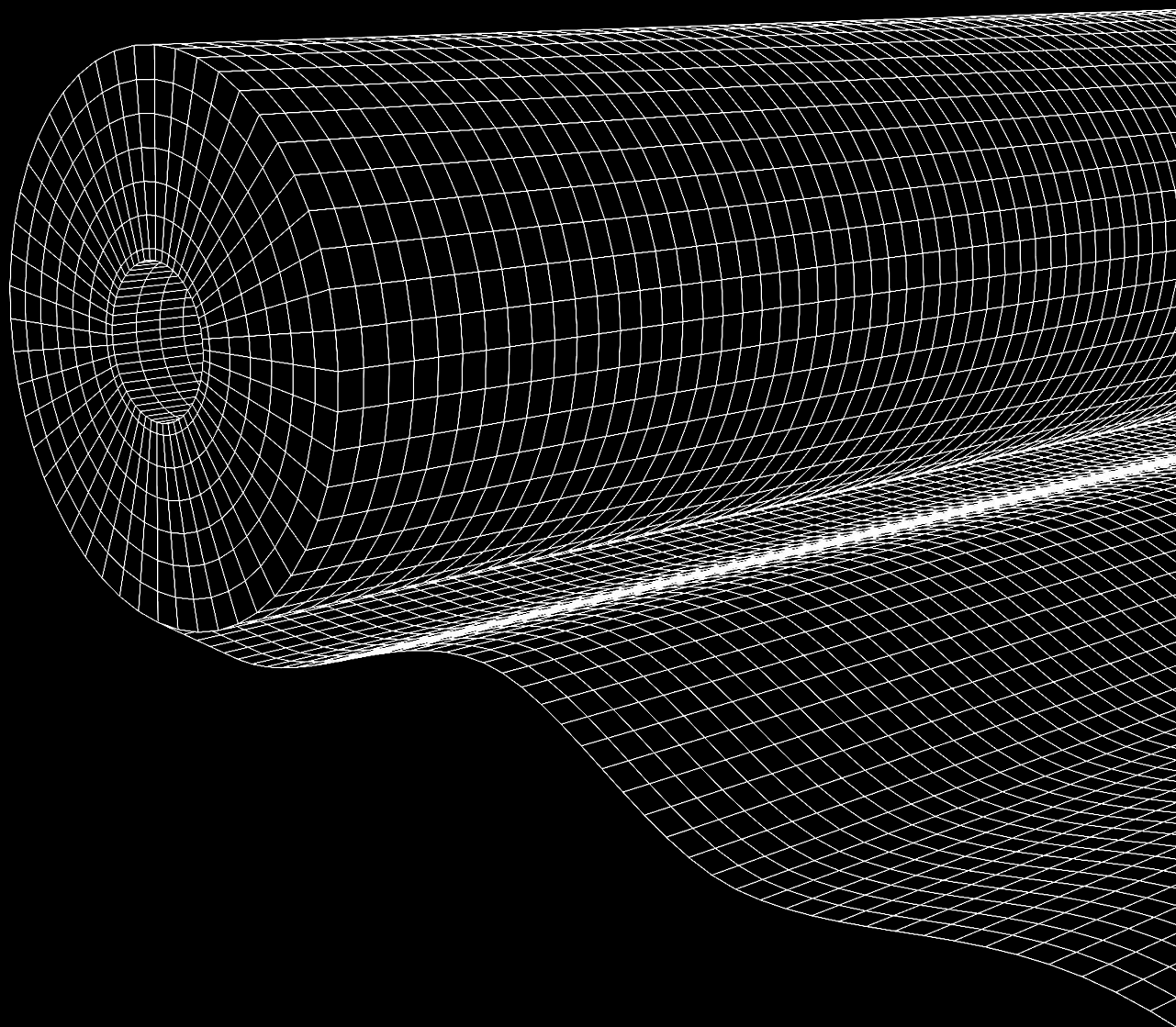


 INSTALLATION GUIDE

OBEX  CORTEX^{FR}

9021FR **Breathable Membrane**

Install Guide – Timber Frame



 OBEX[®]

Contents

Timber Frame - Standard Installation	04
Timber Frame - Window Reveal Dressing	06
Timber Frame - Internal Corner Installation	10
Penetration sealing	11
Installation around pre-installed windows	13

Important Notes

- » Please ensure a minimum overlap of 150mm between sections of the OBEX CORTEX Breathable Membranes. The overlap can reduce to 100mm when 0823FR UV facade tape is used.
- » Ensure that all exposed edges of the OBEX CORTEX Breathable Membrane are thoroughly sealed using Obex Cortex 0823FR UV facade tape for optimal protection and performance.

This installation guide has been created to provide installation best practice and guidance for installers. It is not a mandatory guide, and we recommend that installers familiarise themselves with the NCC for their region and ensure their installation meets the NCC requirements.



OBEX CORTEX4FR

9021FR
3-Layer Breathable Membrane



OBEX CORTEX4FR

0823FR
UV Façade Tape



OBEX CORTEX4FR

0828FR
Sealing Patches



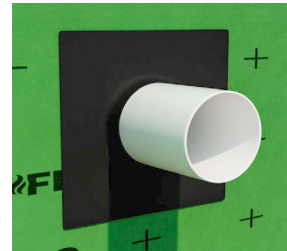
OBEX CORTEX4FR

0824FR
Double-Sided Tape



OBEX CORTEX4FR

0827FR
Double-Sided Self Sealing Tape



OBEX CORTEX4FR

0860
EPDM Sleeve



OBEX CORTEX4FR

0769
Paste Adhesive



OBEX CORTEX4FR

0826
Tape Press Applicator



OBEX CORTEX4FR

0813
Paste Gun



0829 / 0821FR
Plastic or Metal Fixing Washers



0822FR
Metal Pins and Fixing Washers



Staple Gun and Staples

Timber Frame - Standard Installation



1

Staples Guidance

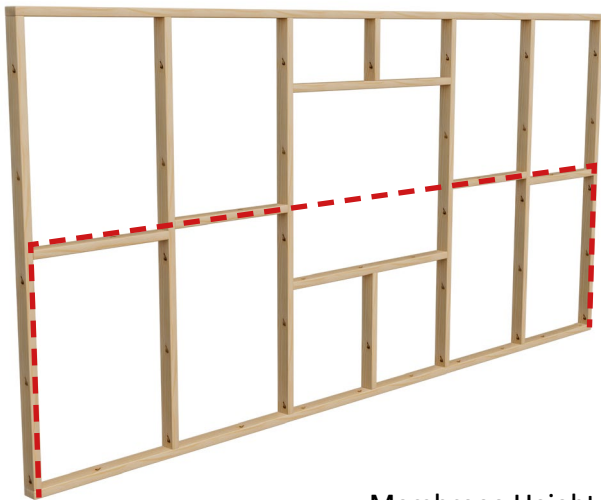
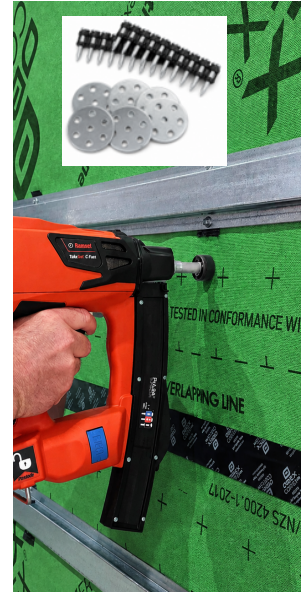
Staples must be galvanised or stainless-steel and at least 12mm wide and a minimum of 1.3mm thick.



2

Plastic or Metal Fixing Washers (high wind areas)

0829 Plastic Washer or the 0822FR Metal washer and nail gun can be used instead of staples for high wind areas. Fix the Washer through the membrane into the studwork as per the proceeding steps, fixings should be max 600mm centers



— — Membrane Height

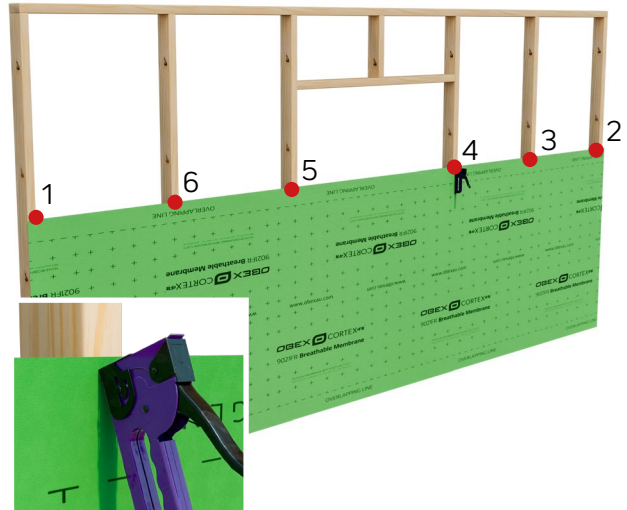
3

Membrane Installation Setting Out

Before installing the Membrane, carefully check the timber 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. 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.

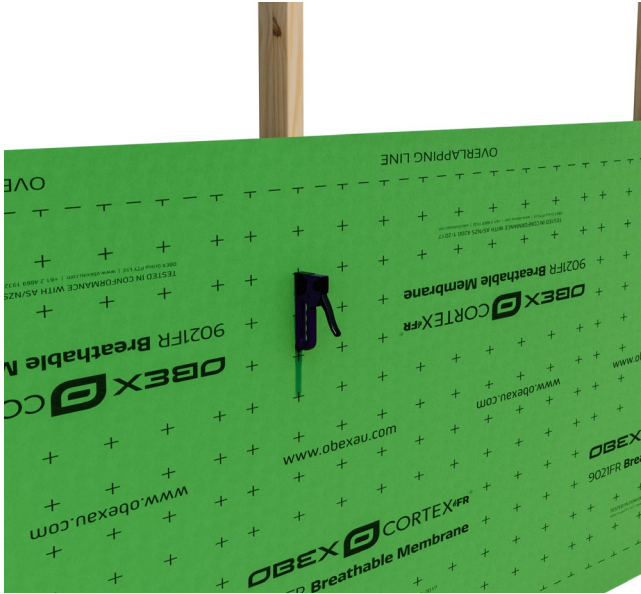
● Staple Positions



4

Fixing Membrane Bottom Edge

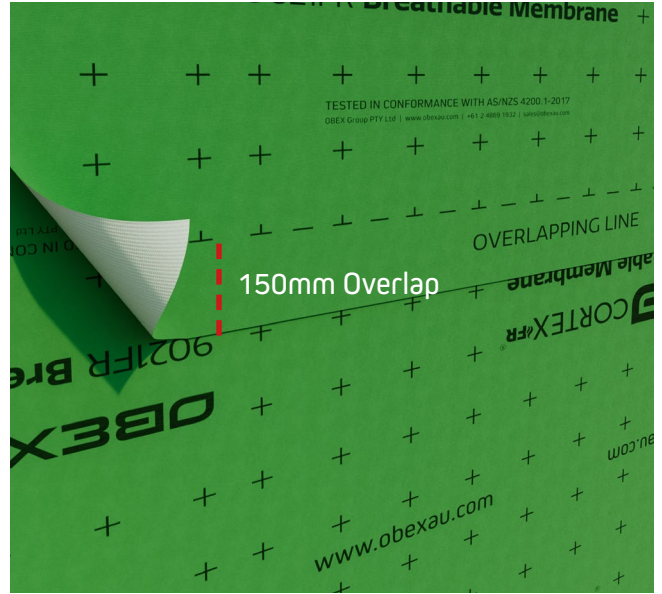
Using a trade rated stapler, secure the top corner of the membrane with 4-6 staples and then roll out the membrane across the studs. If required, trim to length and pull taught and secure the opposite corner in the same way. Continue to secure the top edge at all possible fixing points.



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 taut and secure with 2-4 staples. Then pull taut 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

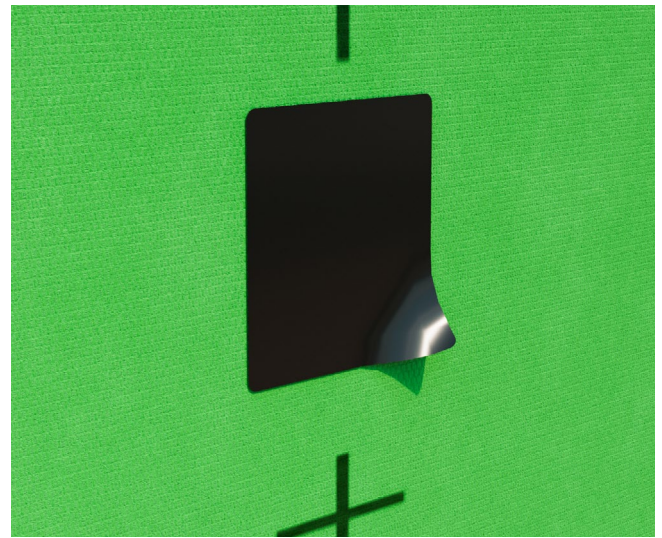
Continue installing the Membrane layers above the first, using the same steps. Ensure each new layer overlaps the one beneath by 150mm - this overlap is key for seamless coverage and optimal performance of the membrane system.



7

Membrane Edge Sealing

Once the membranes have been installed seal all vertical and horizontal overlaps with Obex Cortex 0823FR UV facade tape. Ensure to apply firm pressure for secure and effective adhesion. For ease of application an OBEX 0826 Tape Press is available.

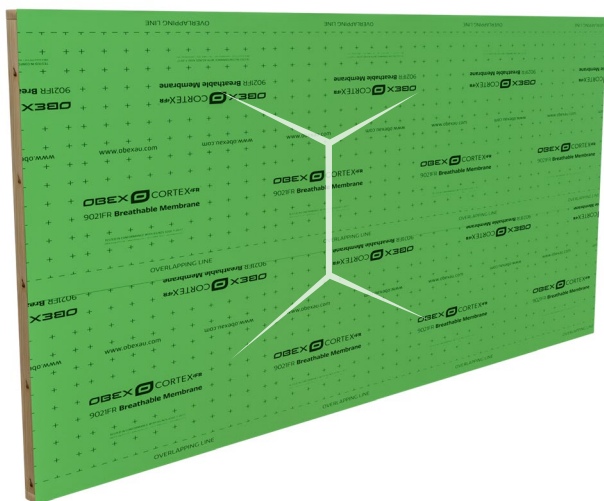


8

Staple Head Sealing (for ultimate airtightness)

0828FR Sealing Patches can be used for ultimate airtightness and placed over staples to ensure the maximum level of airtightness and weather resistance.

Timber Framing - Window Reveal Dressing



1

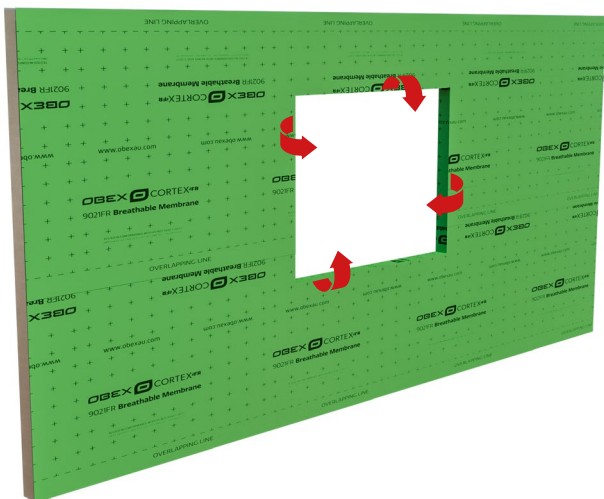
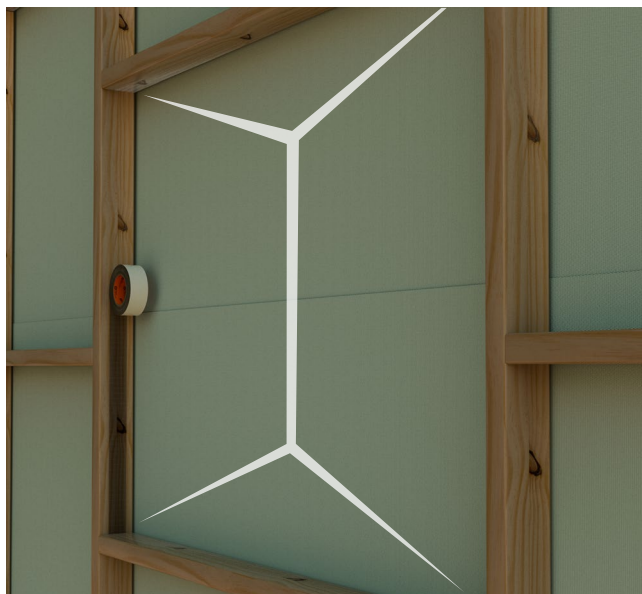
Window Reveal Dressing

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

Option 1 - Double sided tape

Ensure all four sides of the window reveal are clear and smooth then apply OBEX CORTEX 0824FR Double sided tape to the studs. Remove the release liner then fold the flaps back into the reveal.



3

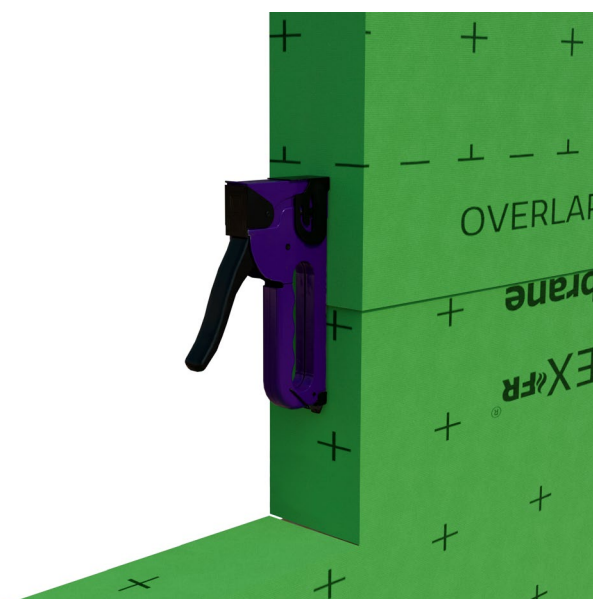
Lining The Reveal

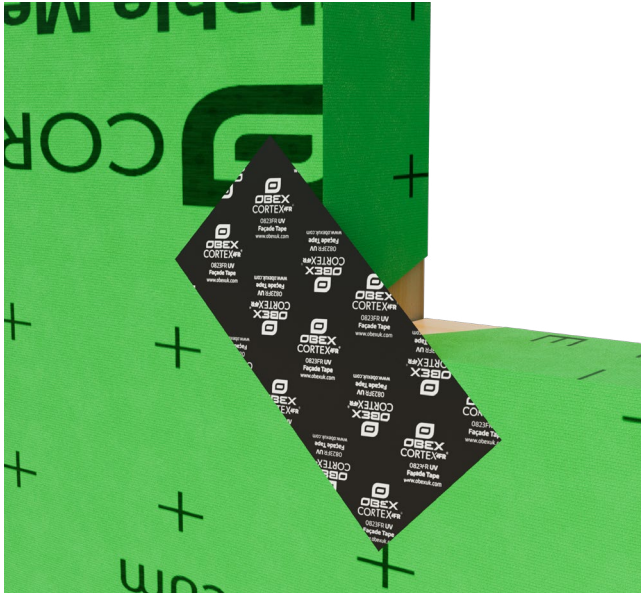
Fold the Membrane flaps into the reveal, firmly pressing them onto the Double-Sided Tape. Trim any excess membrane to align with the back edge of the stud framing for a neat finish.

4

Option 2 - Staple gun

Staple the flaps to the timber, keeping the membrane taught. Secure with staples around the reveal trimming back any excess membrane to align with the back edge of the Timber framing for a neat finish.

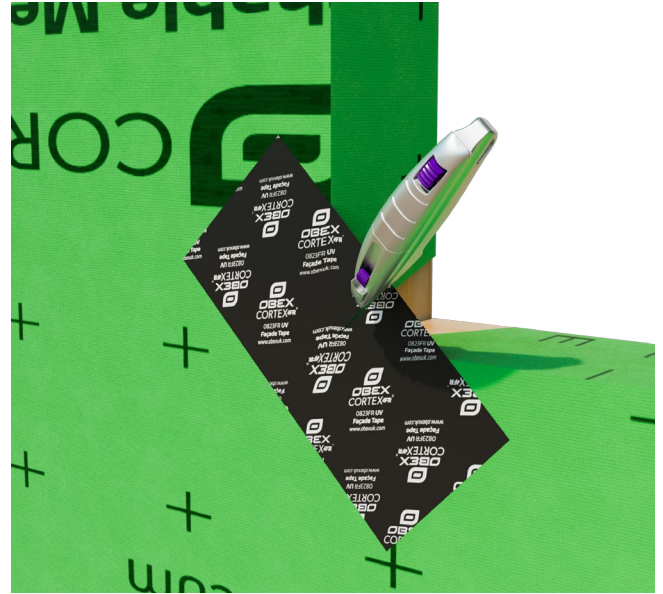




5

Window Corner Sealing

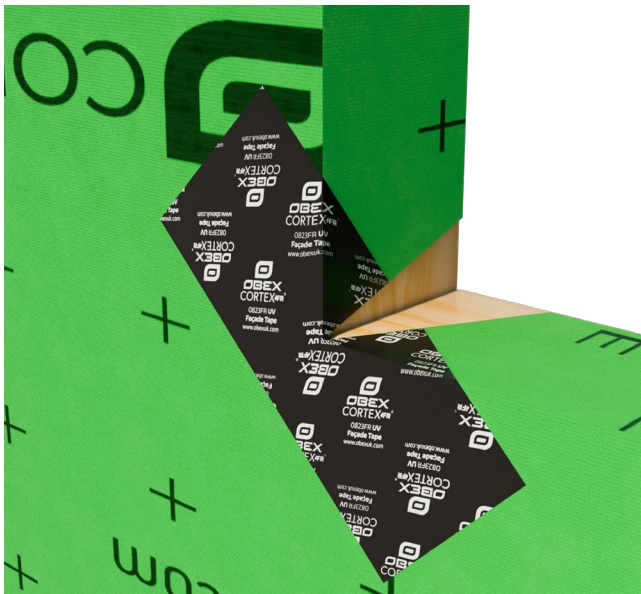
Cut a strip of Obex Cortex 0823FR UV Facade tape 200mm x 100mm and adhere to the corner at 45 degrees.



6

Window Corner Sealing

Cut a slit in the middle down to the corner of the window reveal.



7

Window Corner Sealing

Fold the tape into the reveal and adhere to the windows.



8

Window Corner Sealing

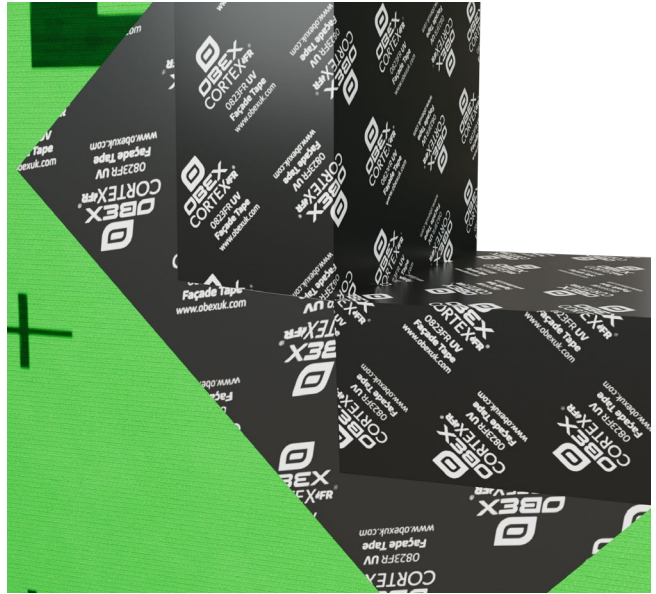
Next apply another section of 0823FR 300mm x 200mm. Centre the tape on the corner with 150mm going up the frame and 150mm along the base, with 50mm overhanging the external and internal face. Use an Obex Cortex 0826 Tape Press Applicator with firm pressure to ensure strong adhesion.



9

Window Corner Sealing

Cut the tape from the edge of the frame to separate to separate the overhanging vertical and horizontal edges.



10

Window Corner Sealing

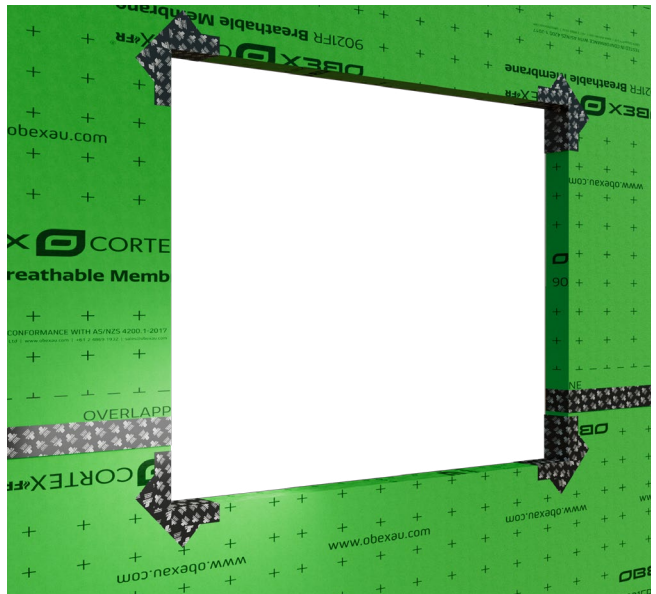
With firm pressure adhere the tape back to the front of the facade.



11

Window Corner Sealing

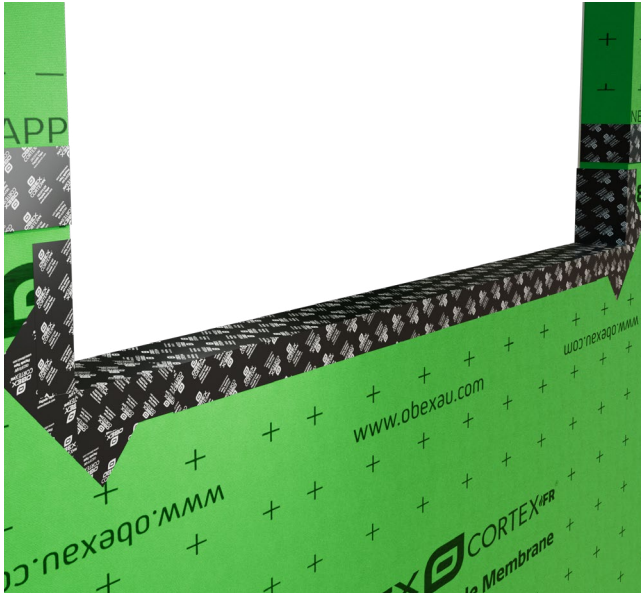
Repeat the previous two steps for the internal face, adhering the membrane to the studs.



12

Window Corner Sealing

Repeat for all corners of the window reveal.



13

Window Corner Sealing

Lastly apply a 200mm wide strip of 0823FR to the sill, overlapping onto the external and internal face by 50mm.

Timber Frame - Internal Corner Installation



1

Internal Corner Layout

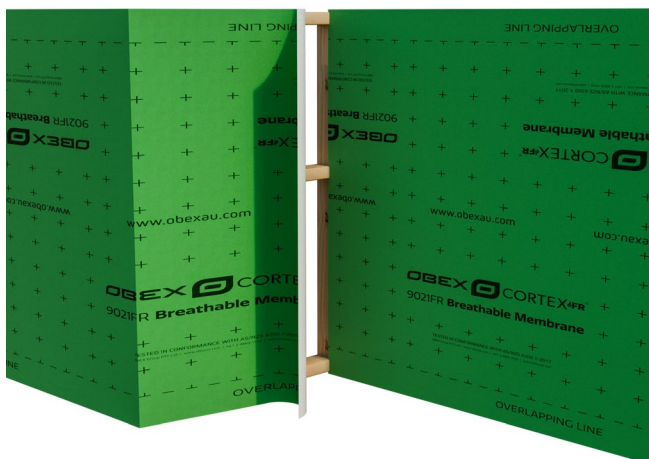
For internal corners, the membrane should be installed in two separate sections. This approach prevents the creation of a radius in the corner and reduces the risk of accidental penetrations.

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.

150mm Overlap



3

Cut The Membrane To Suit

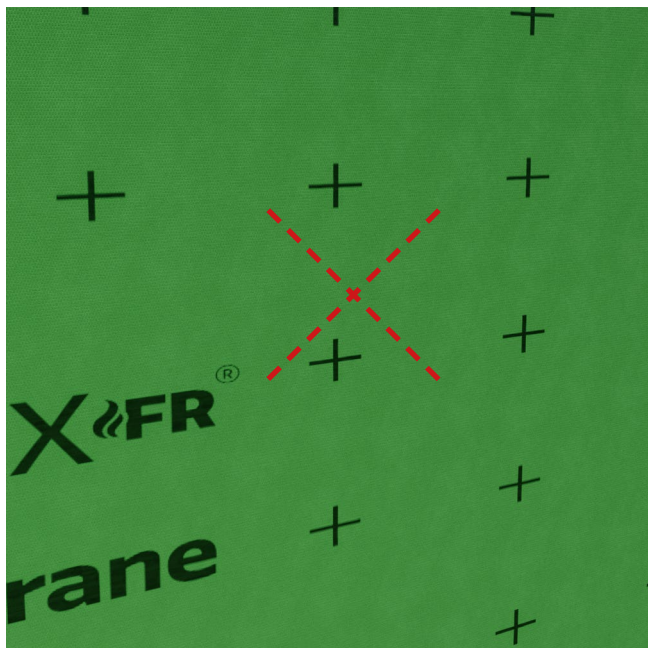
Pull the second section of the membrane into the internal corner and trim it to ensure a 150mm overlap. Securely fix it back to the frame, following the previously described method with staples then seal with patches of Obex Cortex 0823FR UV facade tape.

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 Cortex 0823FR UV facade tape.

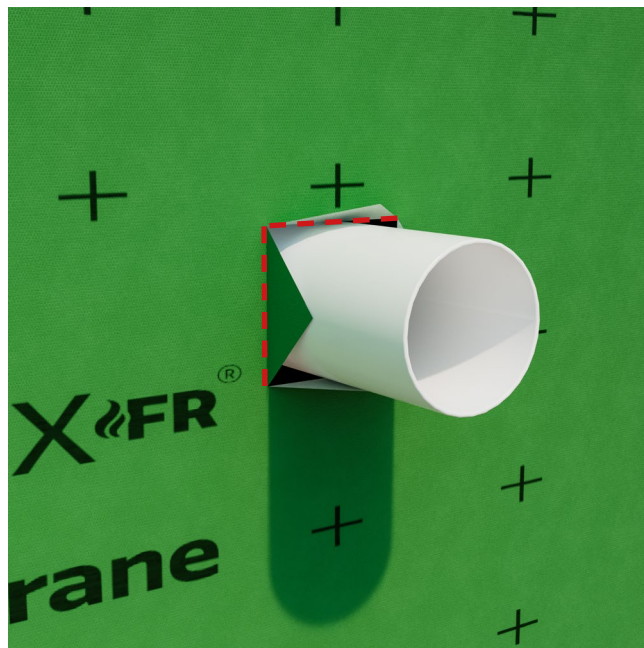
Penetration Sealing



1

Cut For Penetrations

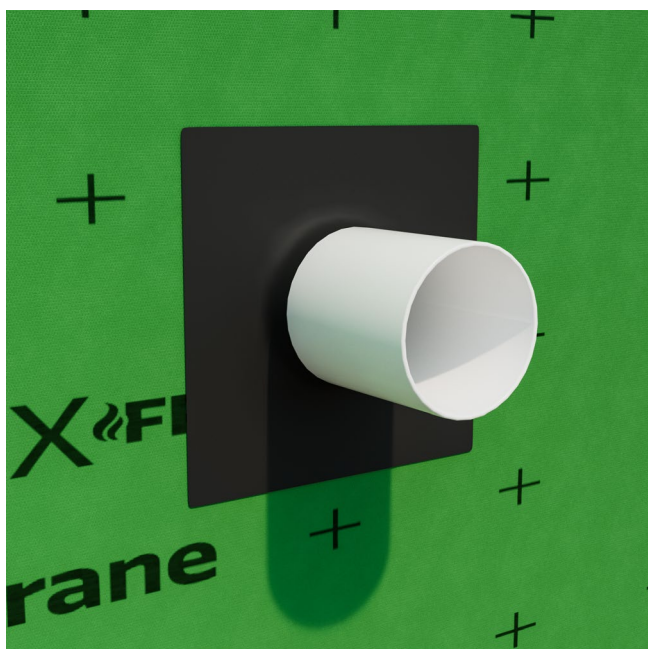
Make two 45-degree slits through the membrane, ensuring they are large enough to accommodate the diameter of the pipe. Be careful not to extend the cuts too far.



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.

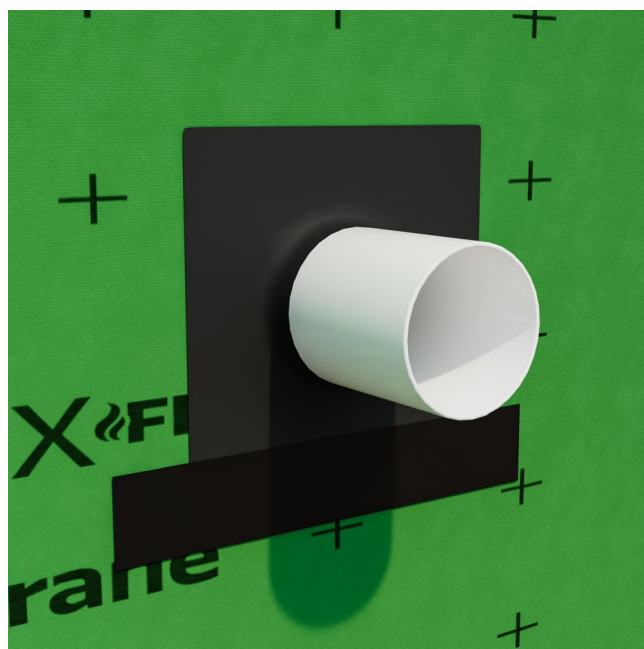


3

Installing The EPDM Sleeve

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

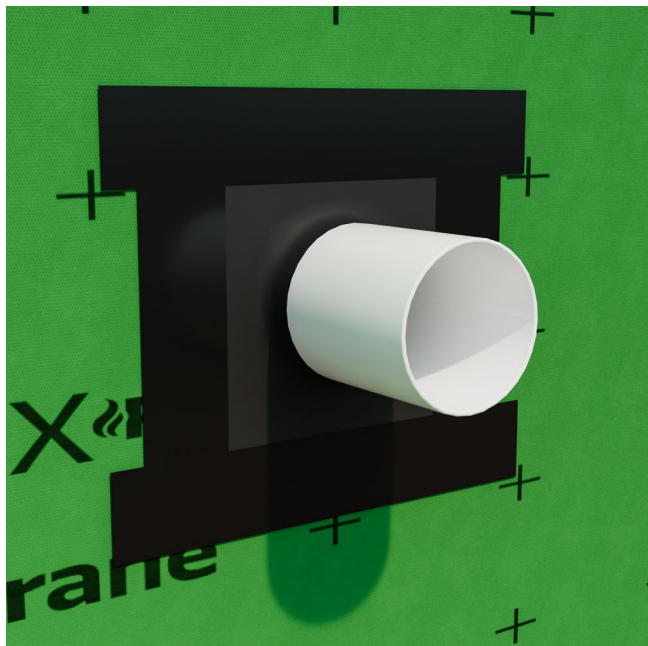
*Bespoke product made to order, can be supplied with a pre-punched hole or blank sleeve/



4

Sealing Collar Edge Sealing

Begin by applying the Obex Cortex 0823FR UV façade tape along the bottom edge of the collar. Ensure that it forms a good bond onto both the Sleeve and the Membrane.

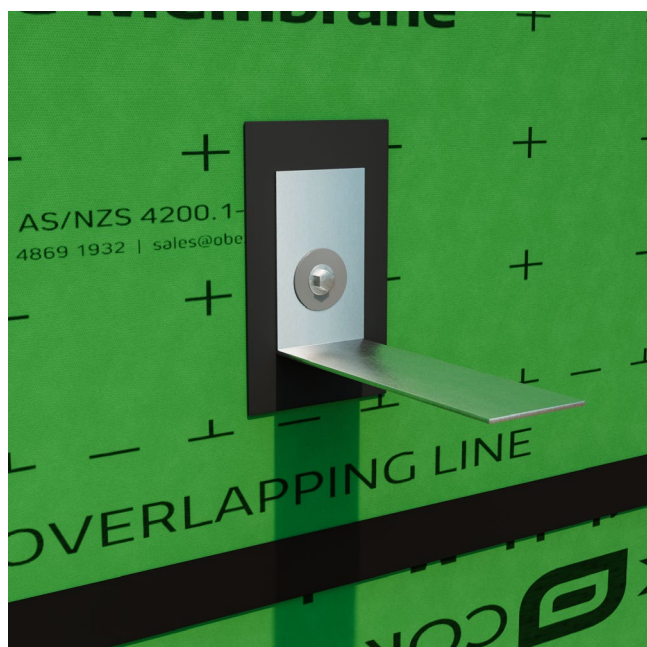


5

Sealing Collar Edge Sealing Cont.

Next, apply the Obex Cortex 0823FR UV facade 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, apply a patch of Obex Cortex 0827FR Double Sided Self-Sealing Tape to the Membrane before screwing in any attachments. The patch should be 50mm x 50mm minimum.

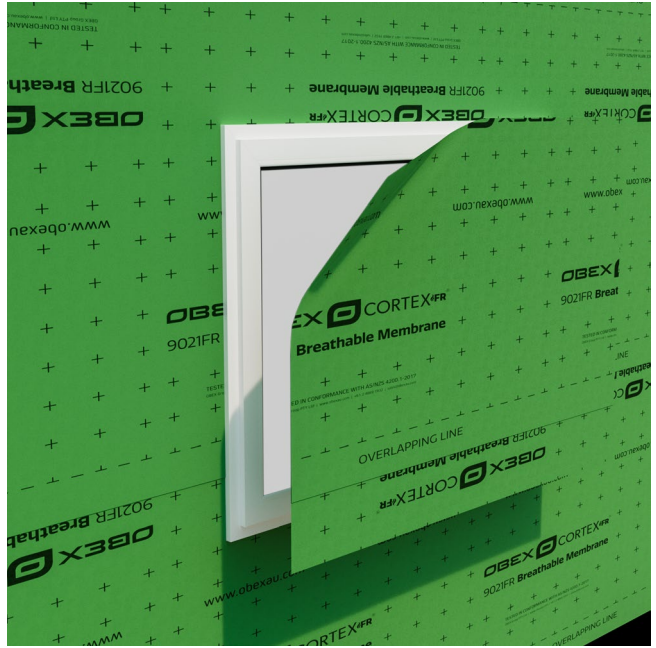
Installation around pre-installed windows



1

Cut around window frame

Cut the membrane around the edge of the window, as close to the frame as possible. Be careful not to cut any underlying EPDM membranes if installed.



2

Remove excess membrane

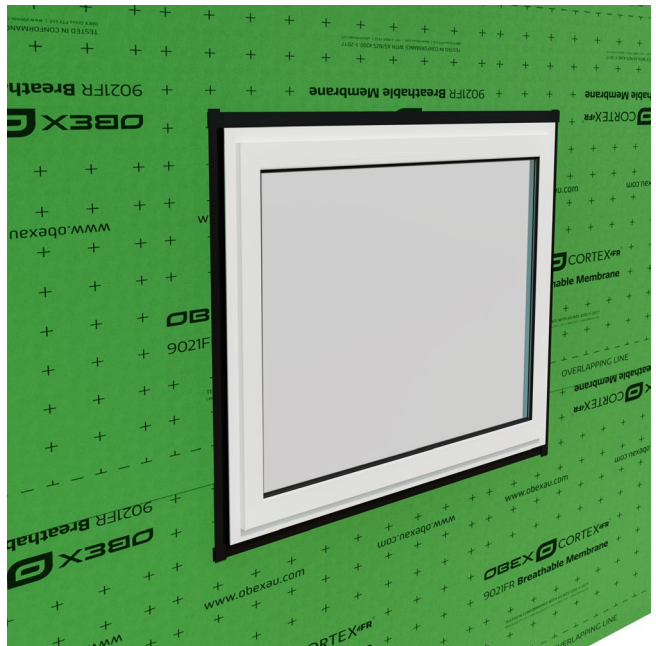
Remove the excess so the breathable membrane fits flush around the window frame.



3

Seal to the frame

Apply OBEX CORTEX jointing tape around the edges of the membrane starting with the base. Ensure a minimum of 20mm bond to the window frame. Add a slit to the end so the tape can overlap the vertical joints as seen.



4

Repeat sides then top.

Repeat step 3 on the sides of the frame and lastly the top, completing the seal around the window. Continue to seal any overlaps or penetrations in the membrane as previously shown in this guide.



OBEX Group PTY Ltd. 6 Red Fields Road, Moss Vale, NSW, 2577
Call: +61 2 4869 1932 | **Email:** sales-au@obexglobal.com | **Visit:** www.obexglobal.com/au
© OBEX Group PTY Ltd 2026, All Rights Reserved. ACN: 659 435 579