

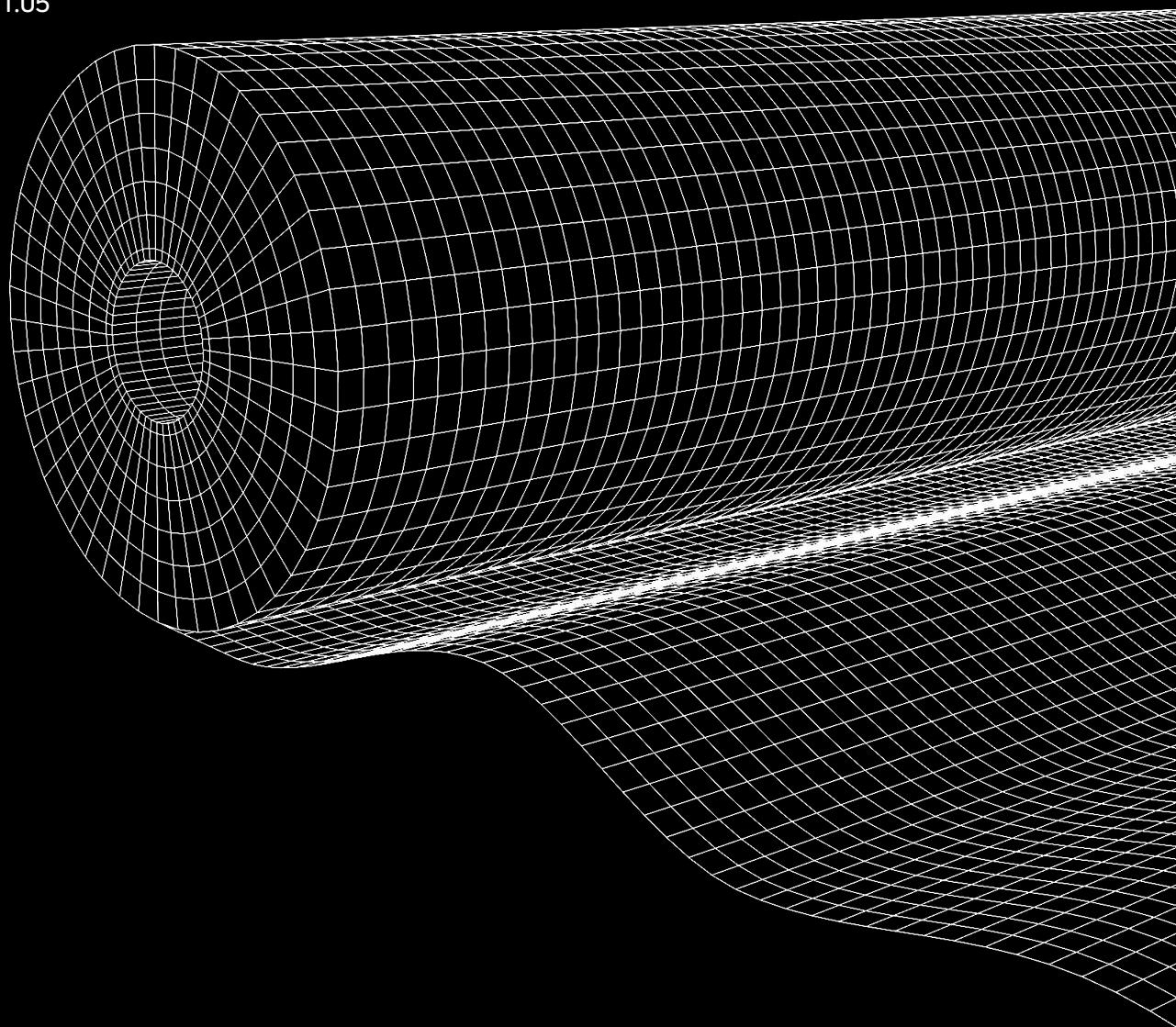
 INSTALLATION GUIDE

**OBEX**  **CORTEX<sup>FR</sup>**

0500FR

# **Interface Sealing Membrane Class B**

Version 01.01.05



 **OBEX<sup>®</sup>**

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## Important Notes

- » Porous substrates may require priming using OBEX CORTEX 0787FR Class B Primer. In cases of doubt, contact OBEX for advice.
- » The required bond width onto porous materials (concrete, brick) is 100mm.
- » For non-porous materials, we recommend a minimum of 20mm-30mm.
- » Ensure the paste is spread out evenly. Firmly roll the membrane into the paste to ensure full bond strength is achieved.
- » Ensure all edges of the membrane are fully capped-off with paste, leaving no exposed edges.
- » Membrane to membrane joints may need to be made when at the end of a roll. These should be overlapped and bonded by a minimum of 50mm.
- » Paste adhesive should be left to cure for a minimum of 1 week before any air pressurisation testing is carried out.
- » The ISM should be installed onto the sheathing board / substrate before the breather membrane. Then the breather membrane is installed once all the ISM's are complete. ISM's have a higher watertightness performance than breather membranes which is why ISM's should be installed directly to the substrate.
- » When pre-bonding the ISM to the frame offsite, the OBEX CORTEX 0819FR Termination Bar can be used to mechanically fix the membrane to the frame.

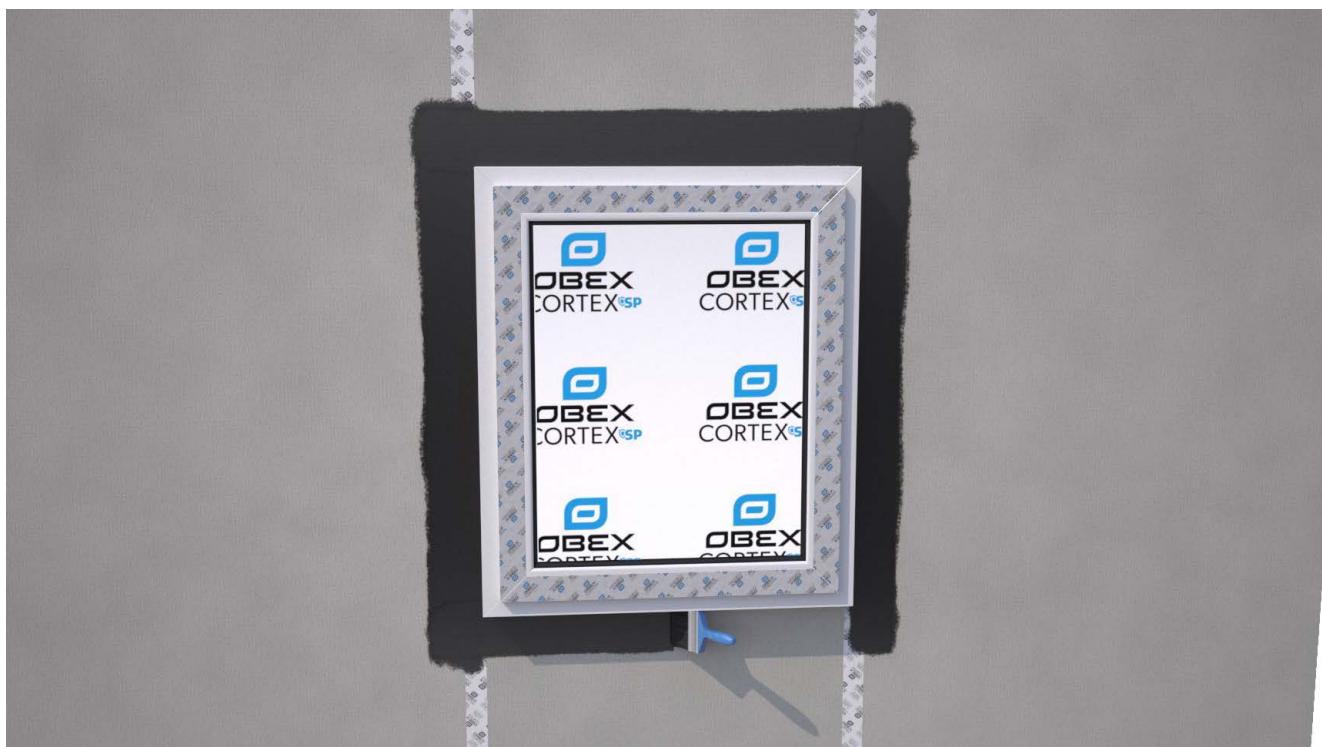
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# ISM – Standard Window Installation



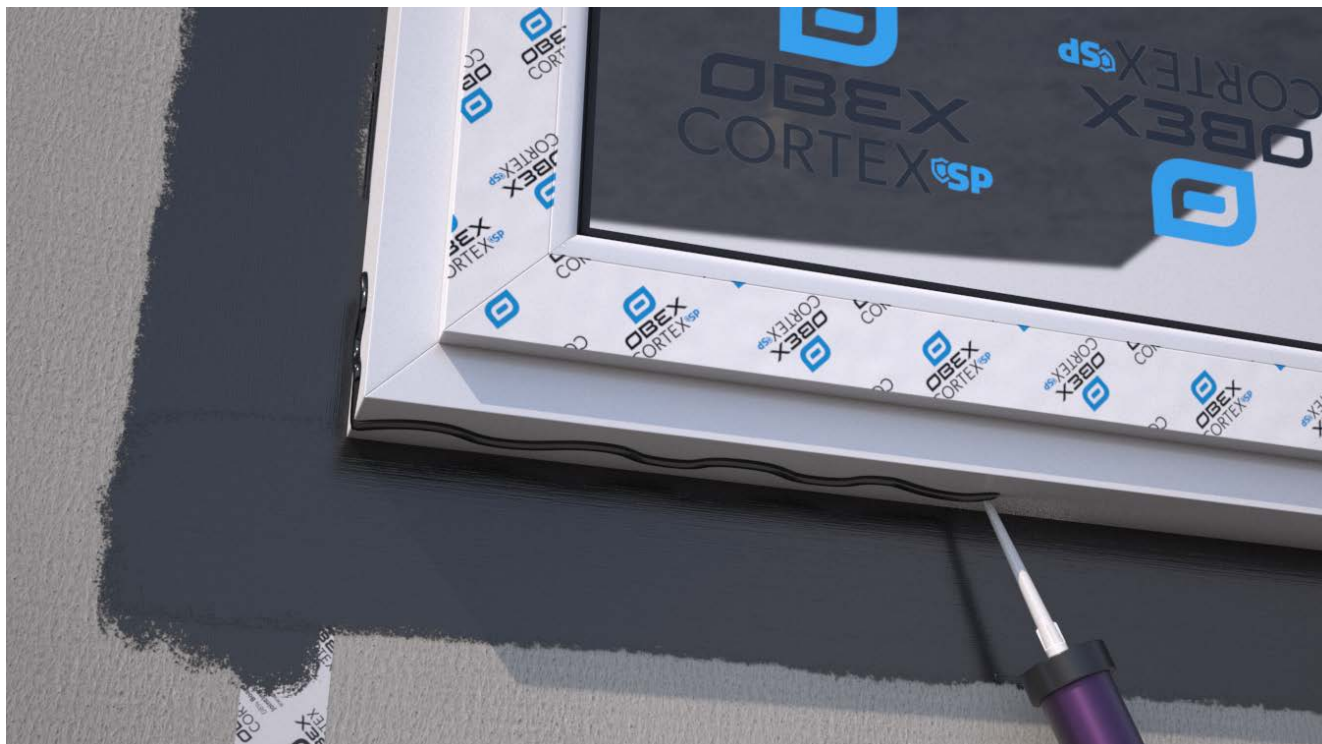
1

Ensure the window surround is complete and ready to receive the ISM. Mark up the substrate to ensure the correct bond widths are achieved. The required bond widths are; 100mm onto porous surfaces (concrete etc) and a minimum of 20-30mm onto non-porous surfaces.



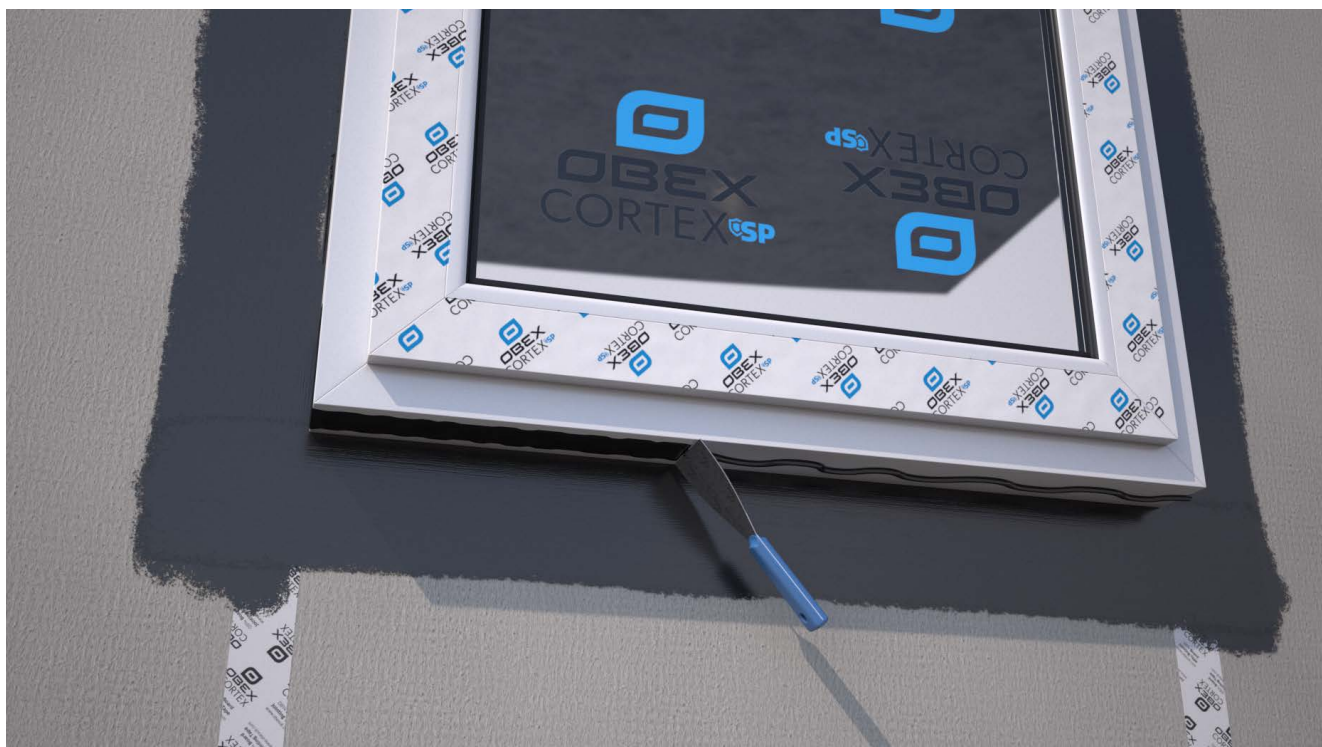
2

Apply OBEX CORTEX 0787FR Primer to porous surfaces. Ensure a full coverage over the bonding area. Porous surfaces include cement board, calcium silicate board, concrete etc.



3

Apply OBEX CORTEX 0771FR Class B Paste adhesive to the frame and substrate surface using a paste adhesive gun.



4

Spread out the 0771FR paste using an adhesive spreader.





5

Cut the 0500FR Membrane to length. Ensure the length of membrane extends at least 100mm past each side of the window.



6

Bond the 0500FR Membrane to the frame first, and then bond back to the substrate. Ensure the membrane is applied flat, without creases, and tension free. It is mandatory that the cill membrane is installed first.



7

Create an incision as shown by the scissors. Fold and bond the membrane up the frame, ensuring it's applied flat and without creases.



8

Roll firmly with a seam roller to ensure maximum bond strength to the frame and the substrate.





9

Apply OBEX CORTEX 0771FR Paste Adhesive to the sides of the frame and substrate.



10

**IMPORTANT:** Apply a small bead of paste adhesive at corner location. This is to ensure the corners are adequately sealed.



11

Spread out the paste adhesive using an adhesive spreader.



12

Bond the 0500FR Membrane to the frame first, and then bond back to the substrate. Ensure the membrane is applied flat, without creases, and tension free.





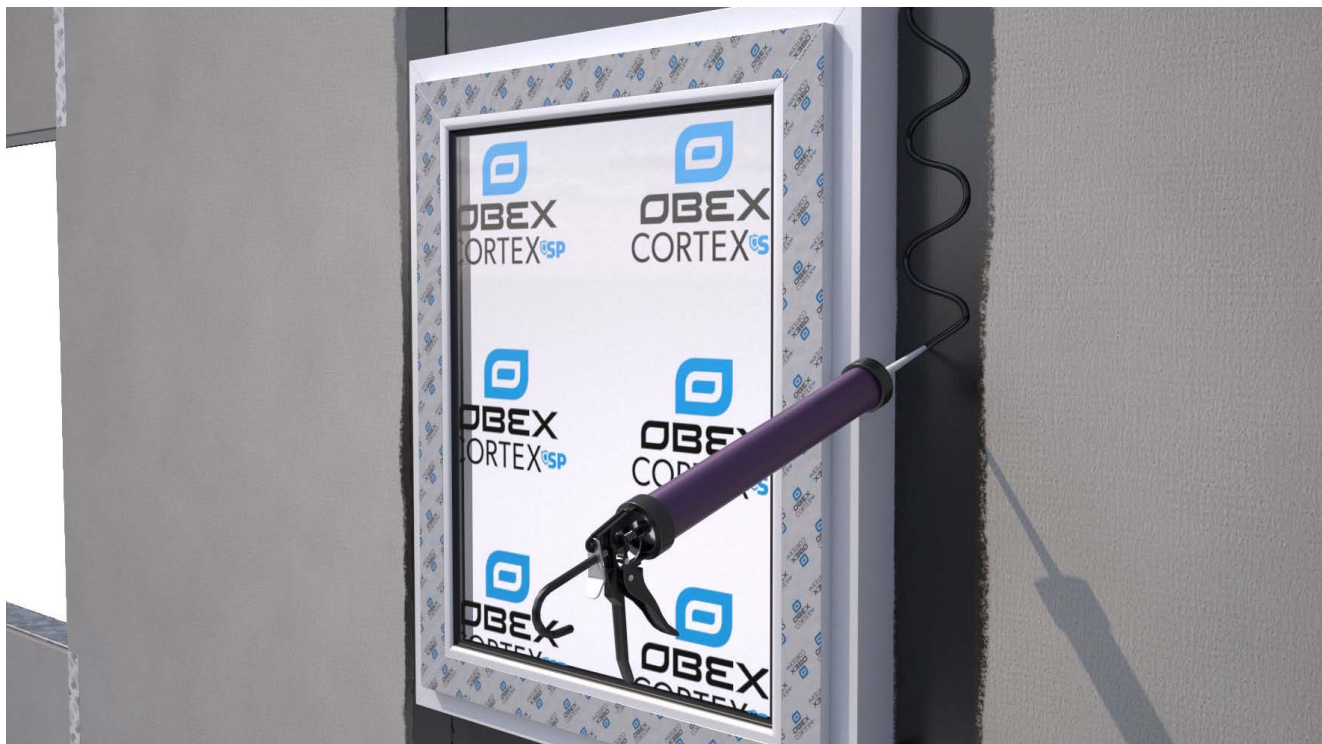
13

Create an incision as shown by the scissors. Fold and bond the membrane round the frame, ensuring it's applied flat and without creases.



14

Roll firmly with a seam roller to ensure maximum bond strength to the frame and the substrate.



15

Repeat steps 12-18 for the other side of the frame.



16

Apply OBEX CORTEX 0771FR Paste Adhesive to the head of the frame and substrate.





17

IMPORTANT: Apply a small bead of paste adhesive at corner location. This is to ensure the corners are adequately sealed.



18

Spread out the paste adhesive using an adhesive spreader.





19

Bond the 0500FR Membrane to the frame first, and then bond back to the substrate. Ensure the membrane is applied flat, without creases, and tension free.



20

Create an incision as shown by the scissors. Fold and bond the membrane round the frame, ensuring it's applied flat and without creases.



21

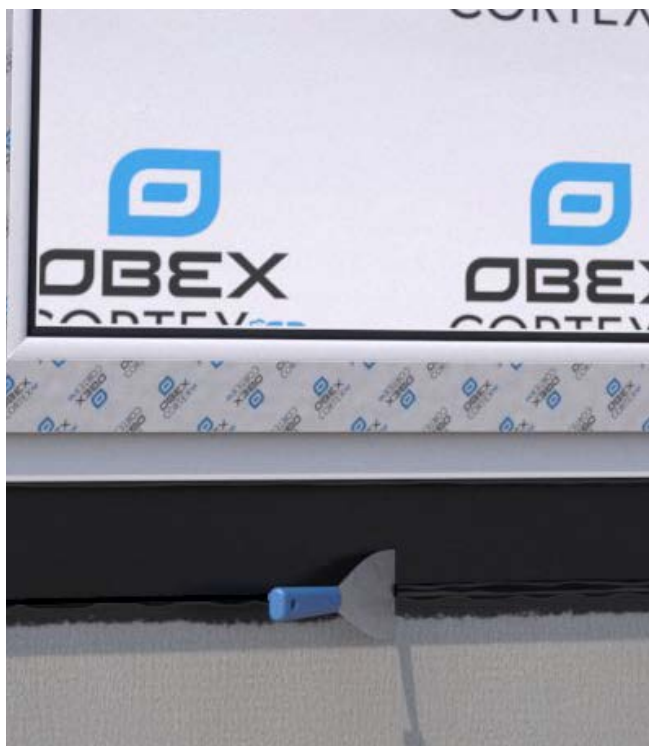
Roll firmly with a seam roller to ensure maximum bond strength to the frame and the substrate.



22

Apply a bead of OBEX CORTEX 0771FR Paste Adhesive around the perimeter and over any joints/overlaps.





23

Tool off the paste adhesive using an adhesive spreader and ensure there are no open edges.



24

This is how ISM's around windows should look once complete.





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# ISM with Termination Bar



01

Locate the 0819FR termination on top of the membrane. Ensure there is paste adhesive underneath the membrane to ensure the fixings are sealed.

Using self-drilling screws or suitable screws for the glazing unit, fix the 0819FR termination bar through the pre-drilled holes.



02

Completed termination bar installation at the base of the window.



03

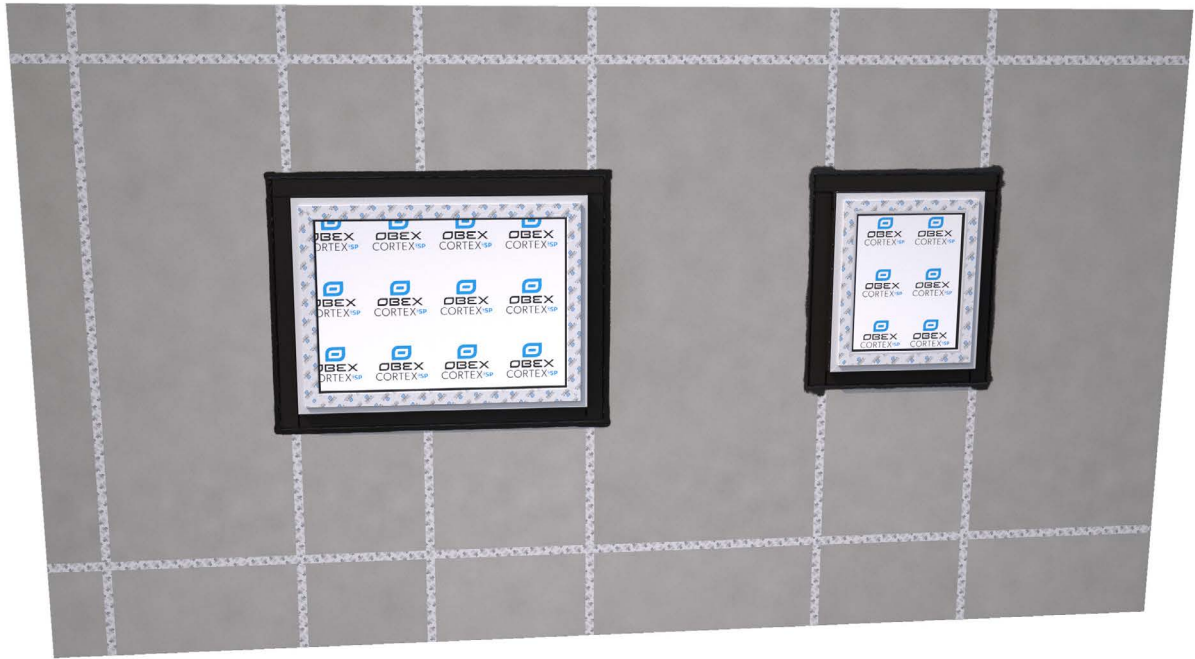
Apply a bead of OBEX CORTEX 0771FR Paste Adhesive around the perimeter and over any joints/overlaps.



04

Tool off the paste adhesive using an adhesive spreader and ensure there are no open edges.





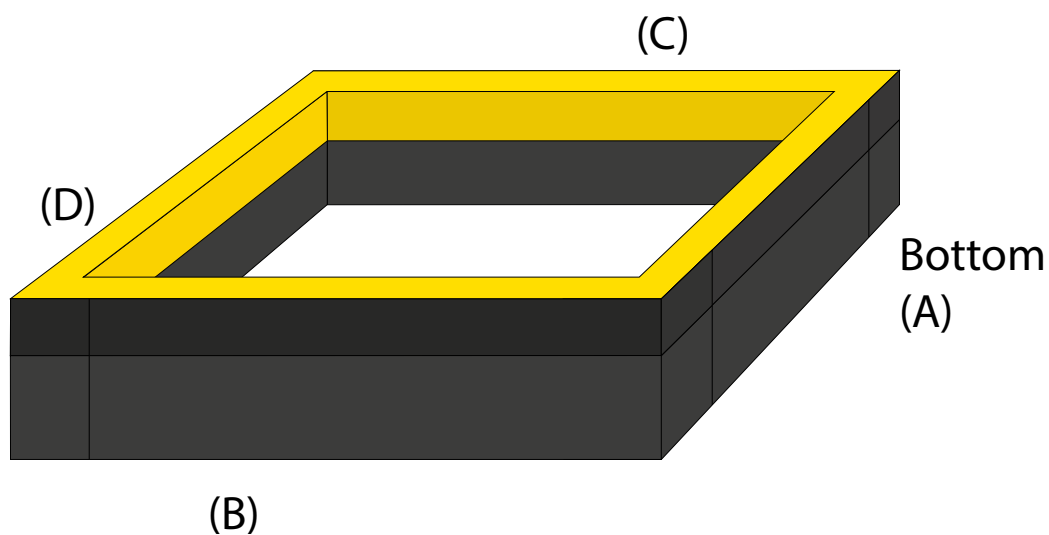
05

This is how ISM's around windows should look once complete.



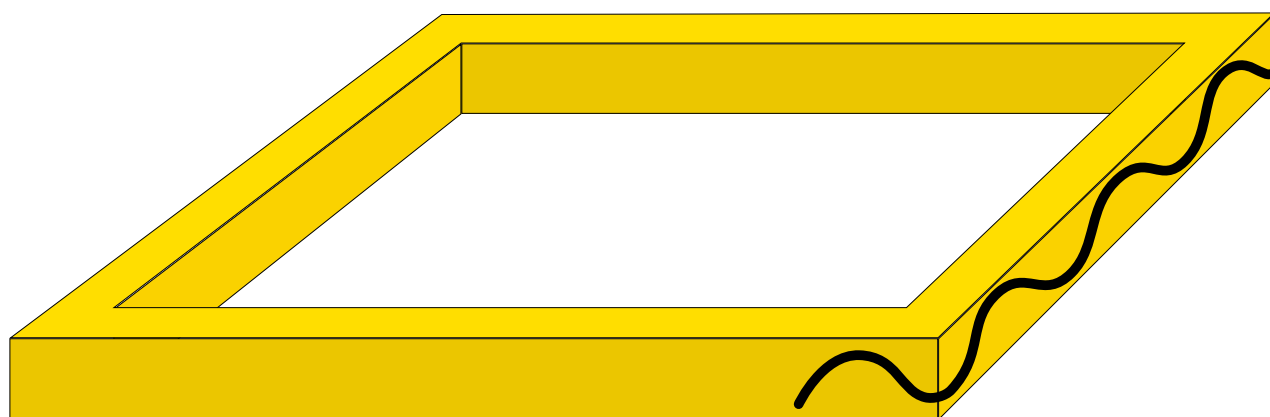
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# ISM – Inset Window



01

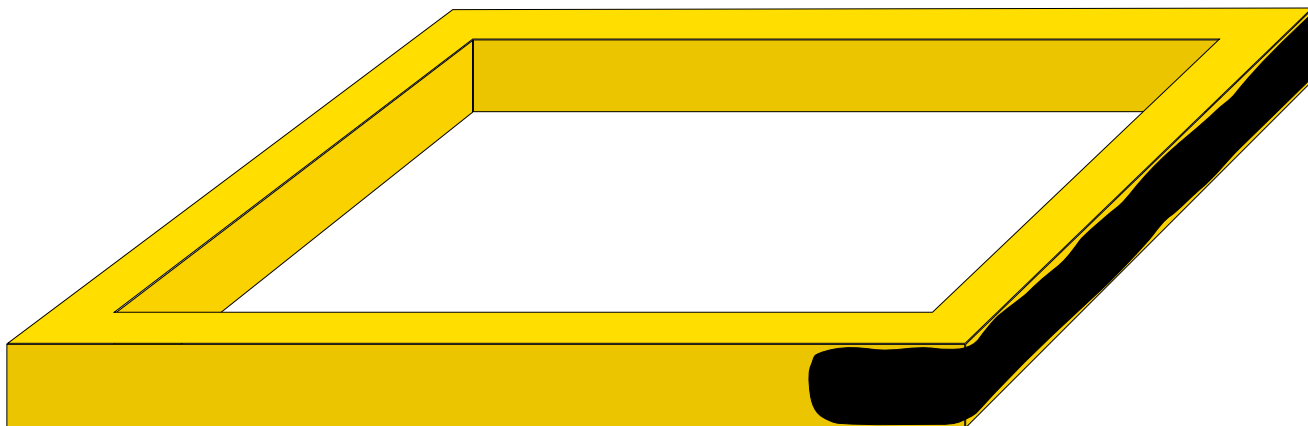
Membrane Installation Sequence.



02

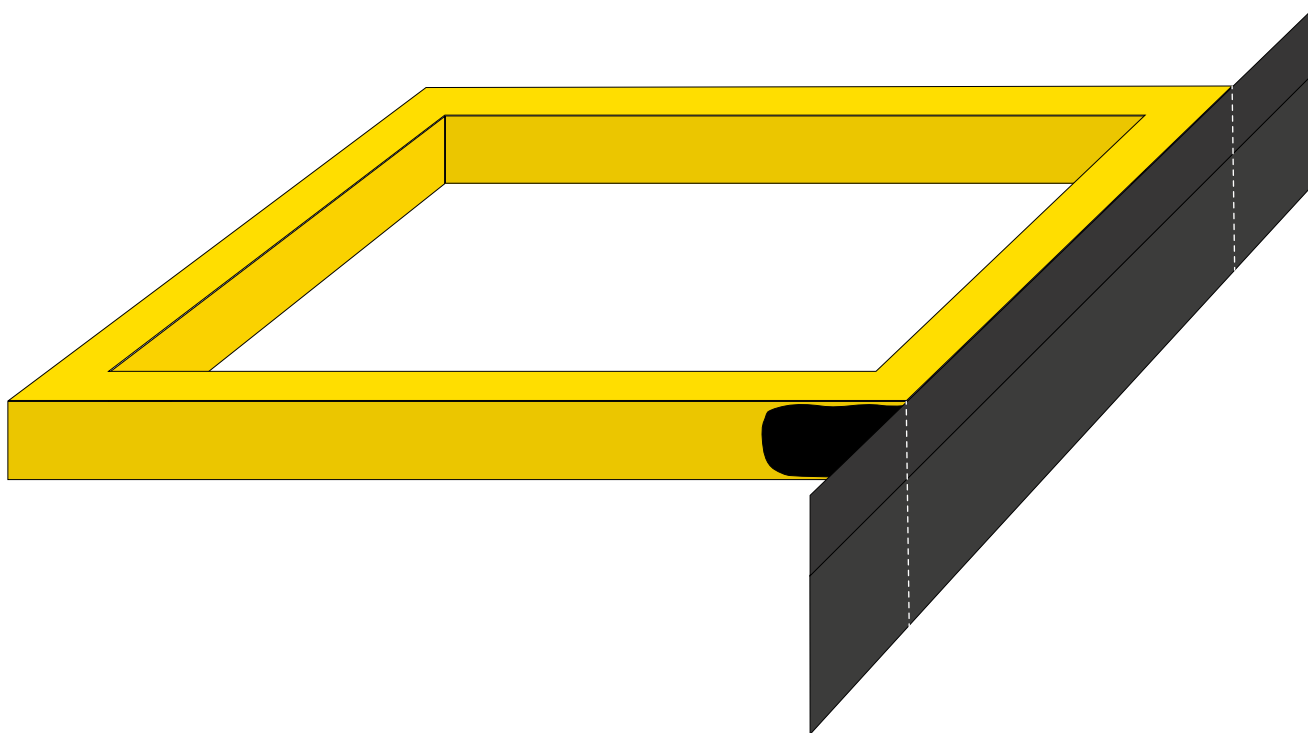
1st Apply Paste Along The Base Of The Frame & Slightly Up Both Sides





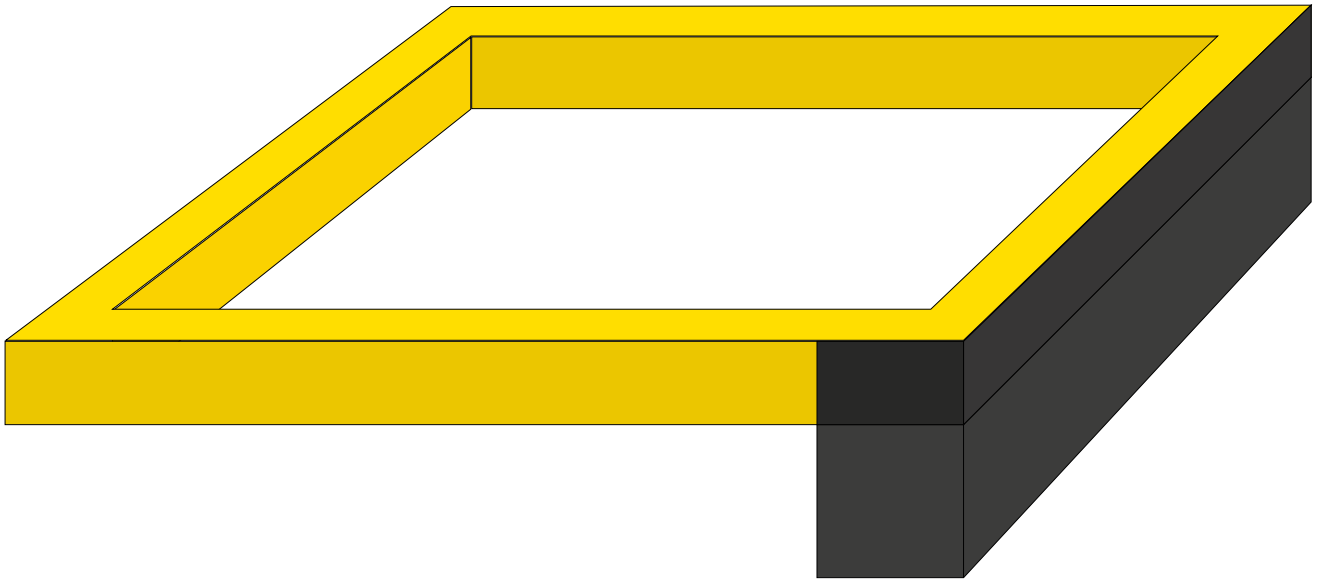
03

Spread Out Paste Adhesive Evenly Over the Required Area



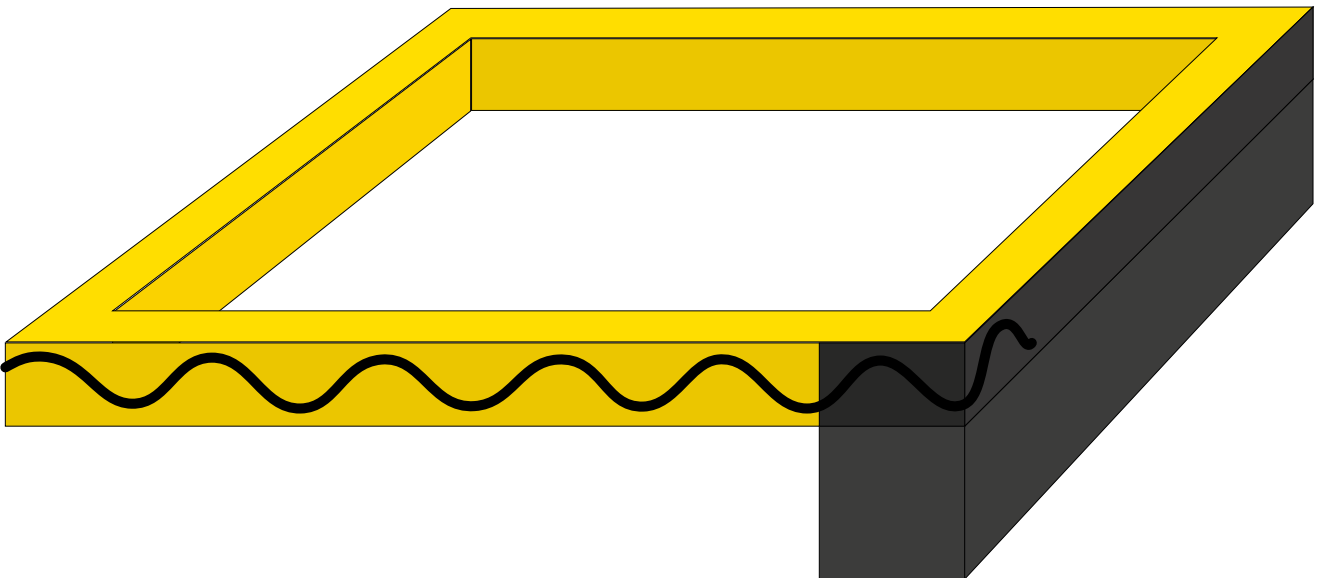
04

Apply Membrane To The Paste. Ensure The Membrane Is Cut Long Enough For The Overlaps On Boths Sides. The overlaps on both sides should be at least 50mm



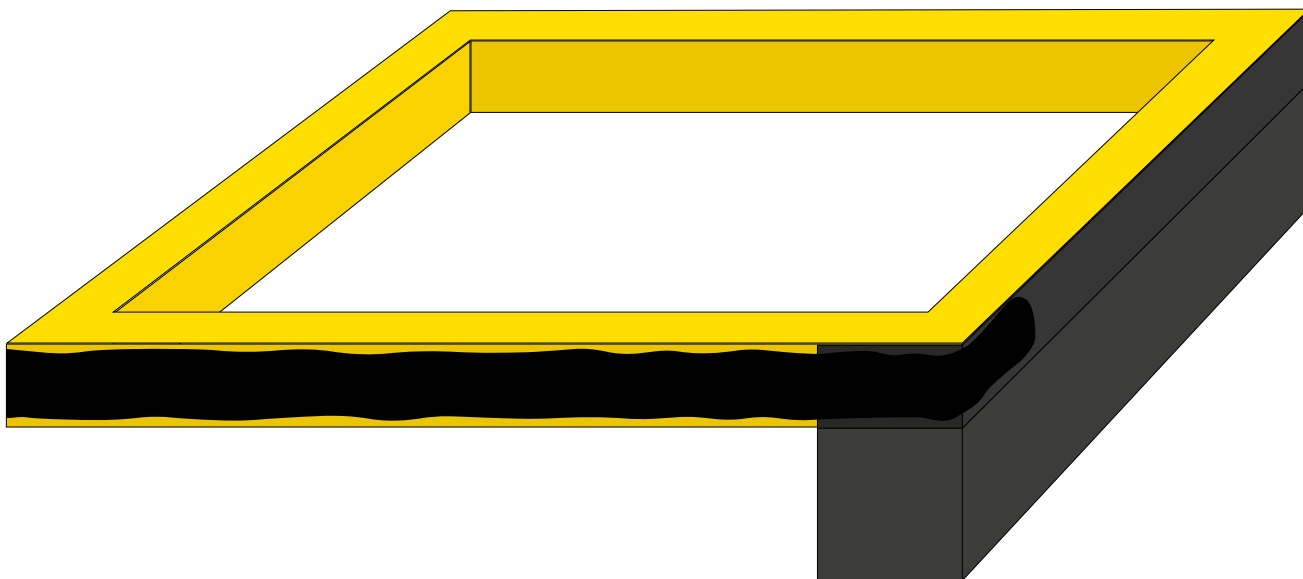
05

Fold Both Membrane Flaps On Each Side And Ensure The Mebrane Is Firmly Bonded Onto The Paste By Bedding-In With A Silicone Roller.



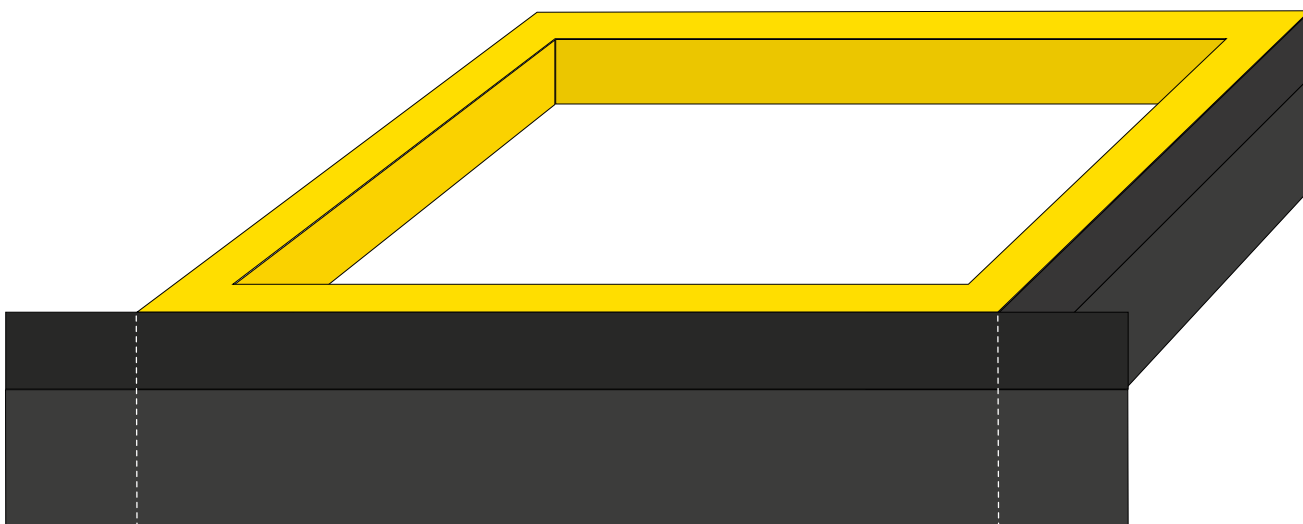
06

Apply Paste Along The Side Of The Frame & Slightly Up Along The Bottom For The Overlapping Flap. Also Apply A Small Amount Of Paste To The Base Membrane Where The Side And Base Membranes Will Overlap.



07

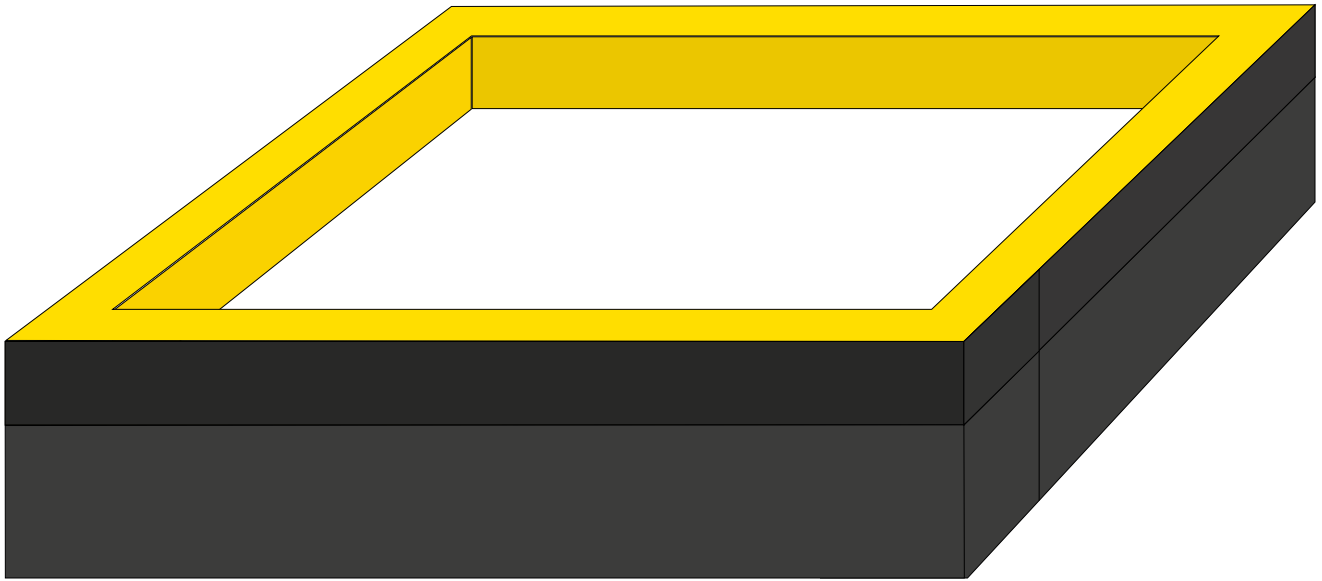
Spread Out Paste Adhesive Evenly Over the Required Area.



08

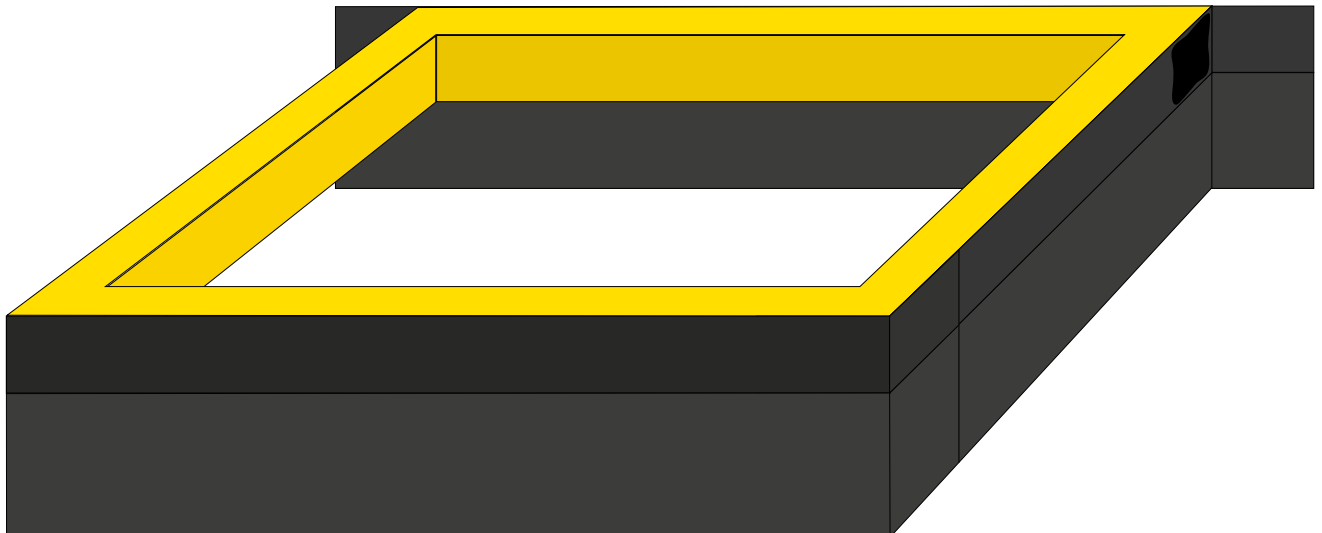
Apply Membrane To The Paste. Ensure The Membrane Is Cut Long Enough For The Overlaps On The Top And Bottom.





09

Fold Both Membrane Flaps On Each End And Ensure The Mebrane Is Firmly Bonded Onto The Paste By Bedding-In With A Silicone Roller.



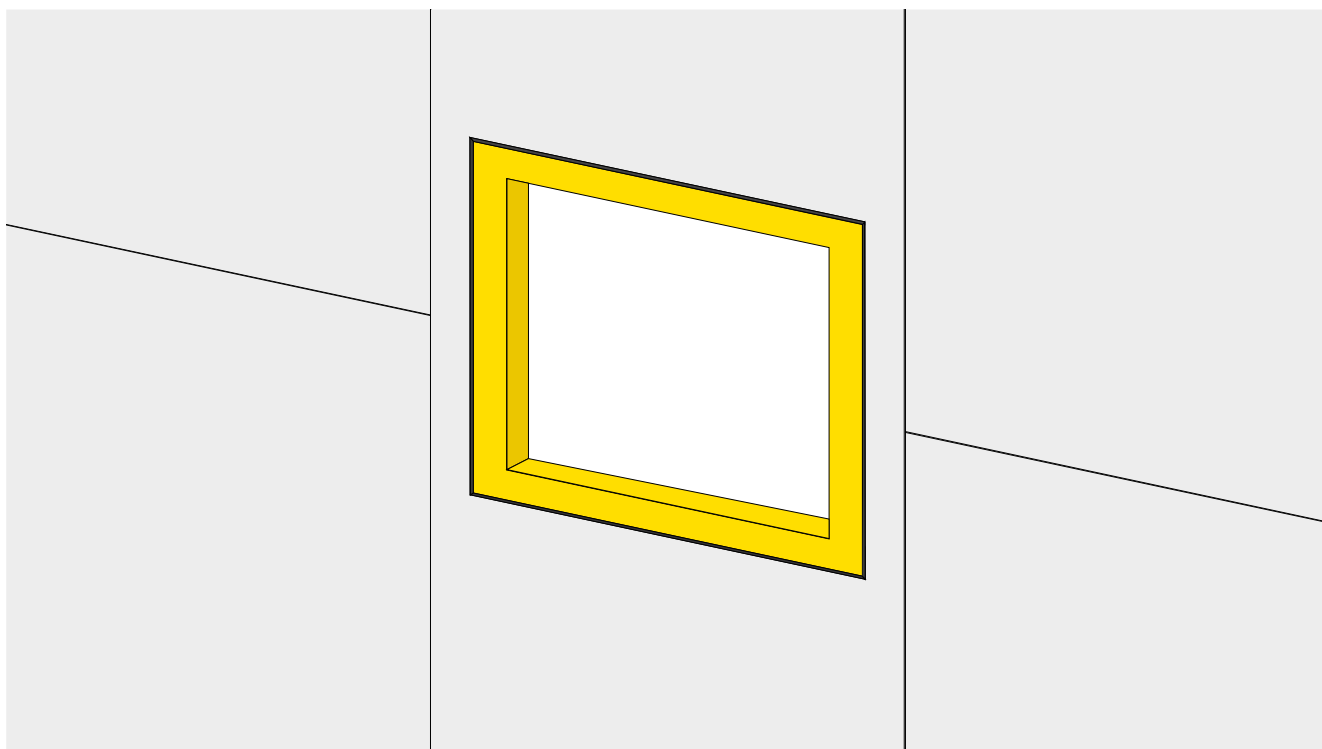
10

Continue Steps 6-9 To Apply Membrane To The Other Side



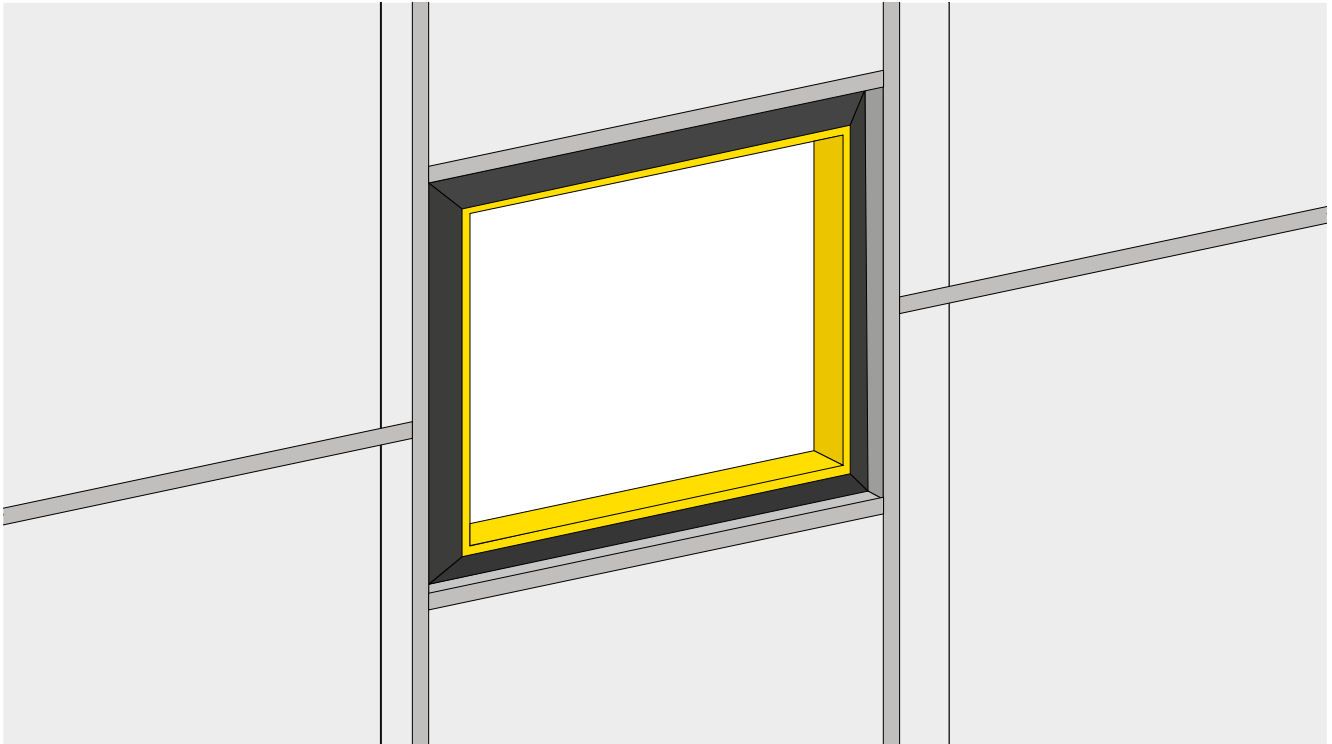
11

Continue Steps 6-9 To Apply Membrane To The Bottom Of The Window Frame



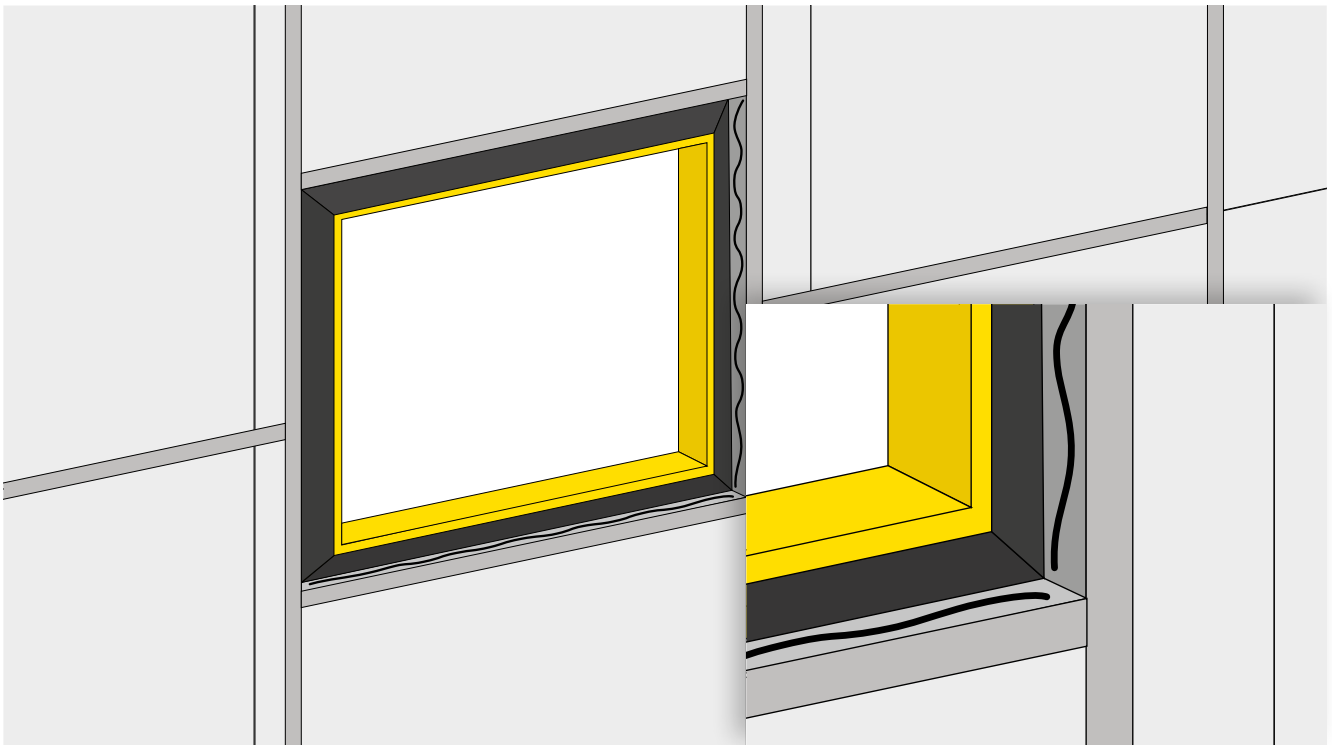
12

Insert The Frame Within The Opening & Fix Within The Reveal According To The Manufacturers Instructions



13

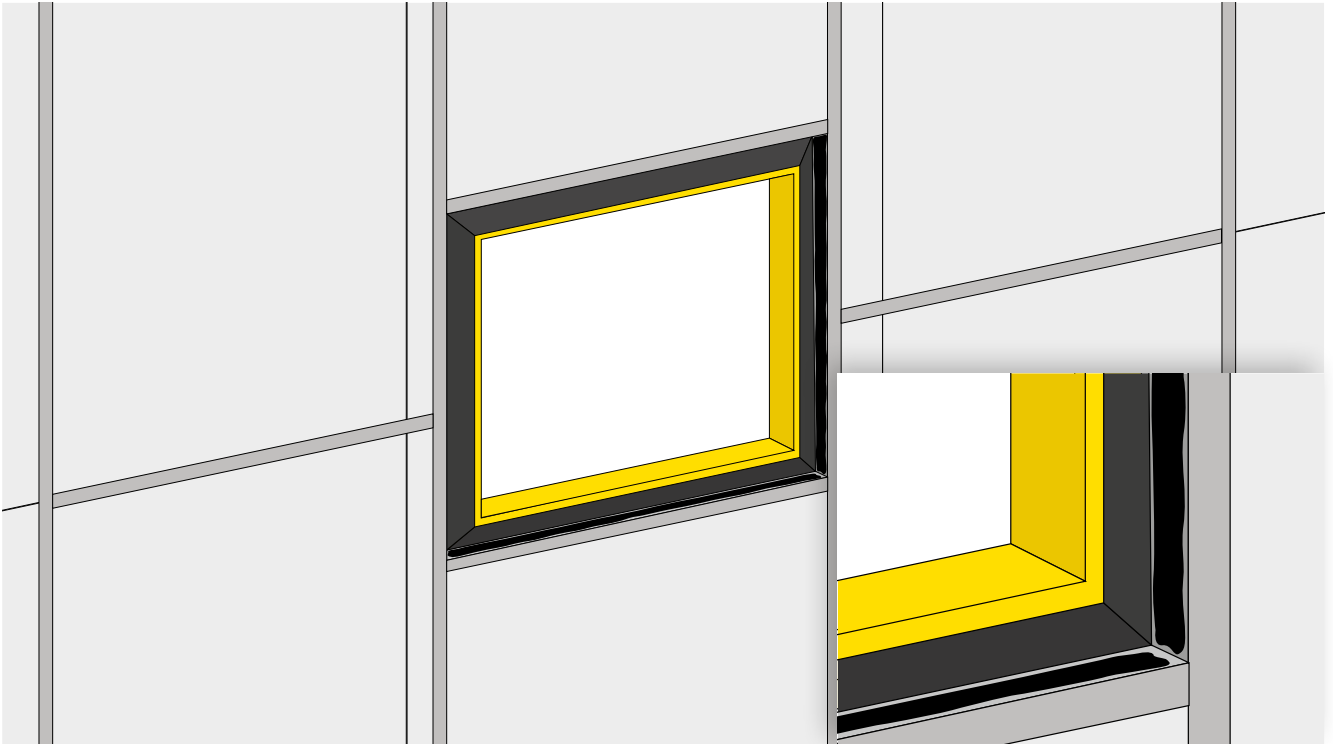
Fold the membrane away from the sides of the reveal and temporarily secure to enable the application of paste onto the sides of the window reveal.



14

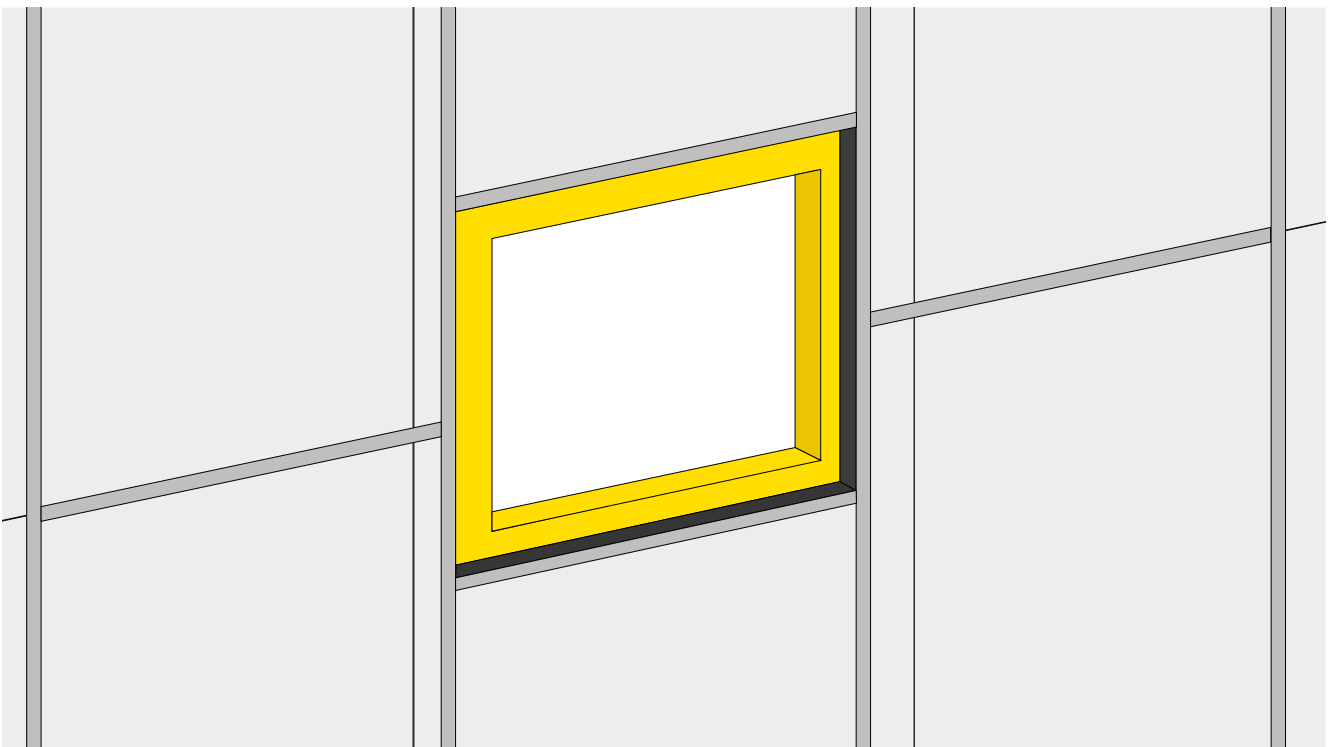
Apply paste to the inside of the window reveal on all sides. Also apply paste to the membrane overlaps.





15

Spread the paste out using a spreader ensuring there are no gaps to ensure a complete seal.

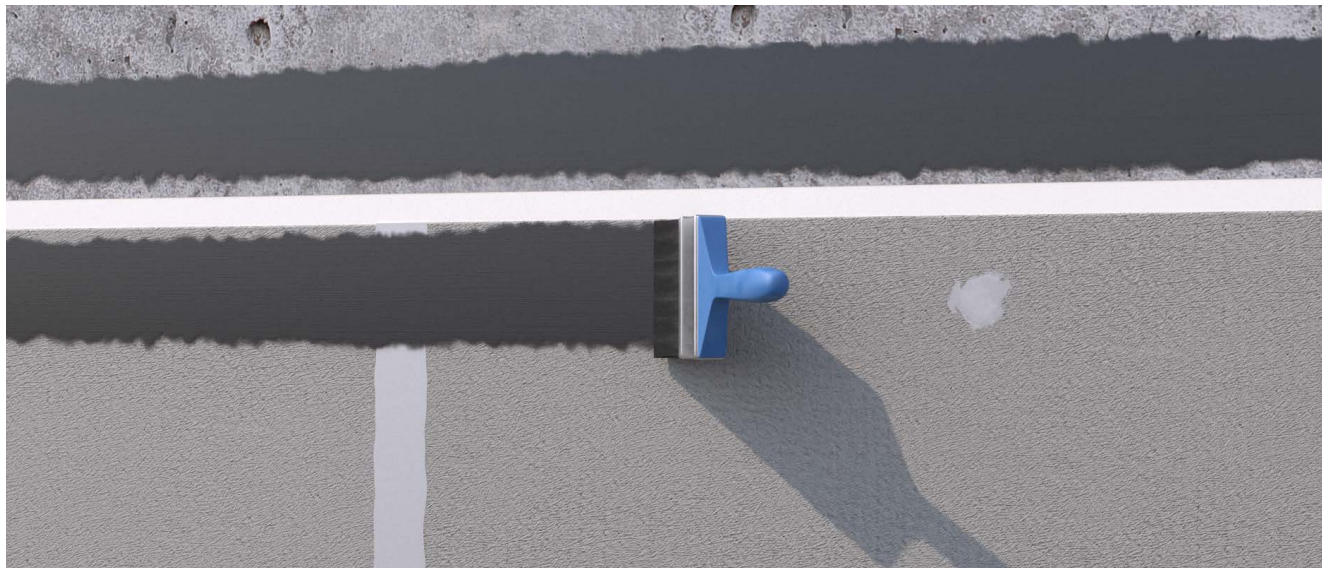


16

Use a roller to adhere the membrane to the opening and then cap the edges off with paste. Also Remember To Cap Off The Membrane Overlap Joints.

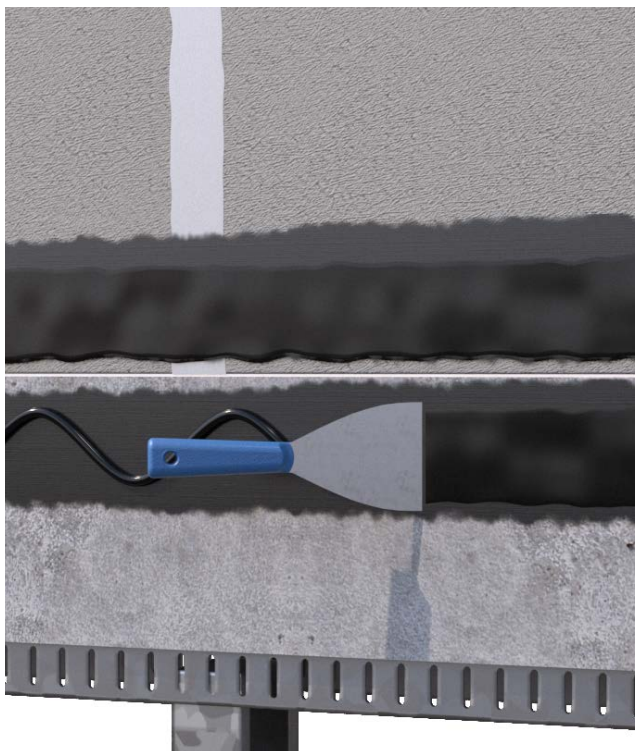
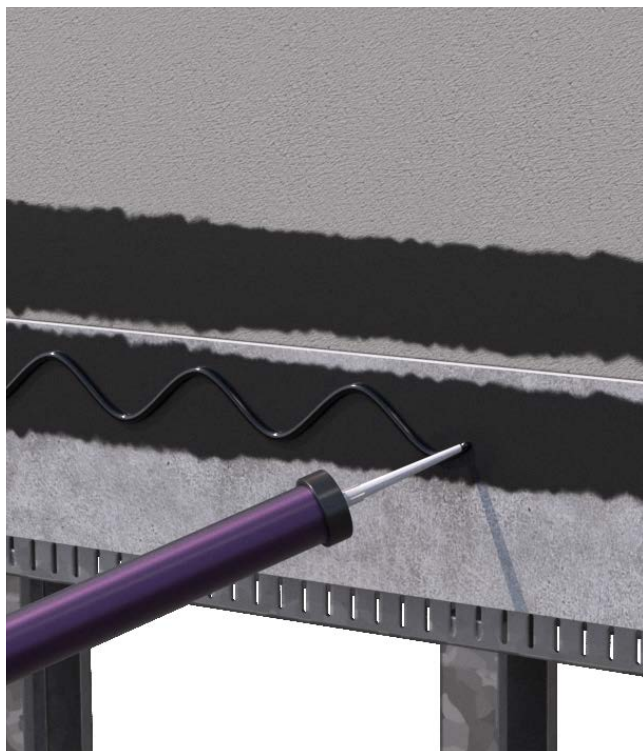
## 0500FR

# Slab Edge Sealing



1

Apply OBEX CORTEX 0787FR Non-Flammable Surface Primer to the concrete slab edge and sheathing board in excess of 100mm width. Allow to flash-off (usually 10 minutes in recommended application temperatures).



2

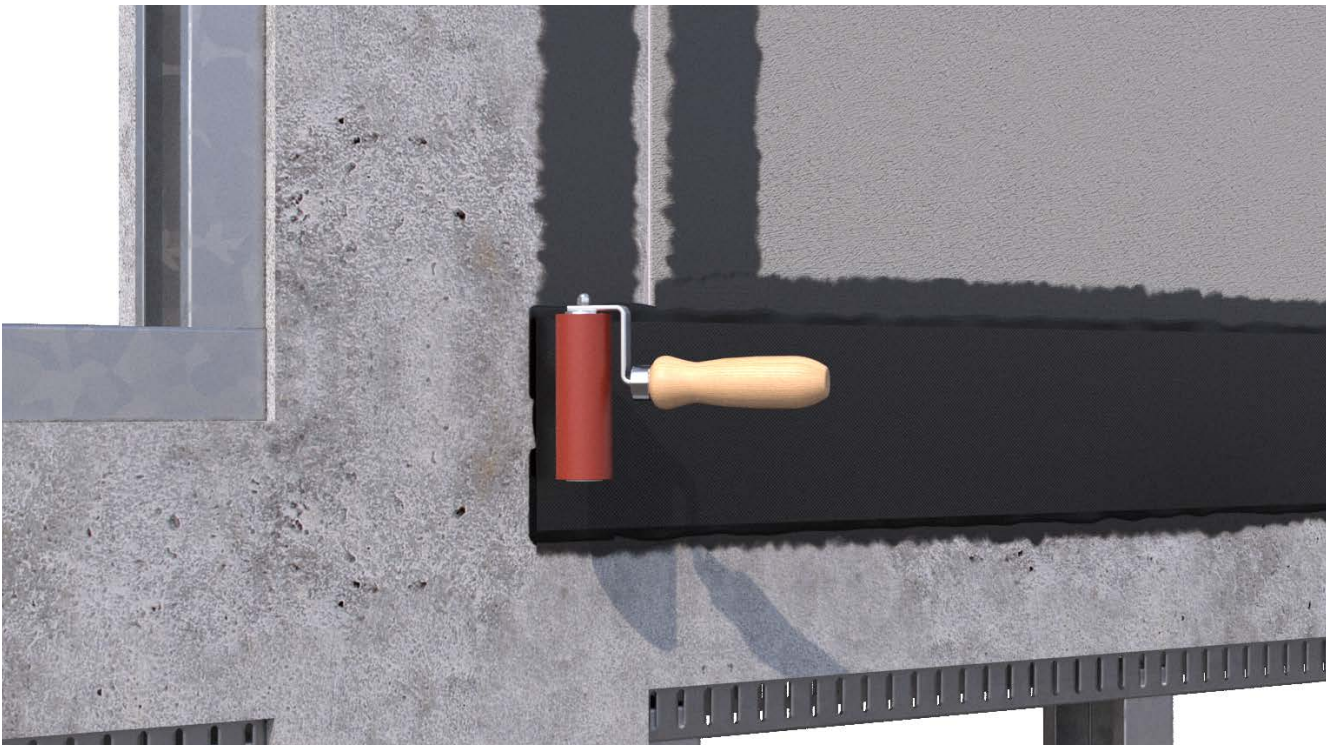
Apply OBEX CORTEX 0771FR Class B Paste Adhesive to the sheathing board and slab edge (100mm min width). Spread the paste using a scraper ensuring an even spread at 1-2mm thickness.





3

Unroll OBEX CORTEX 0500FR Interface Sealing Membrane and cut to required length using membrane shears.



4

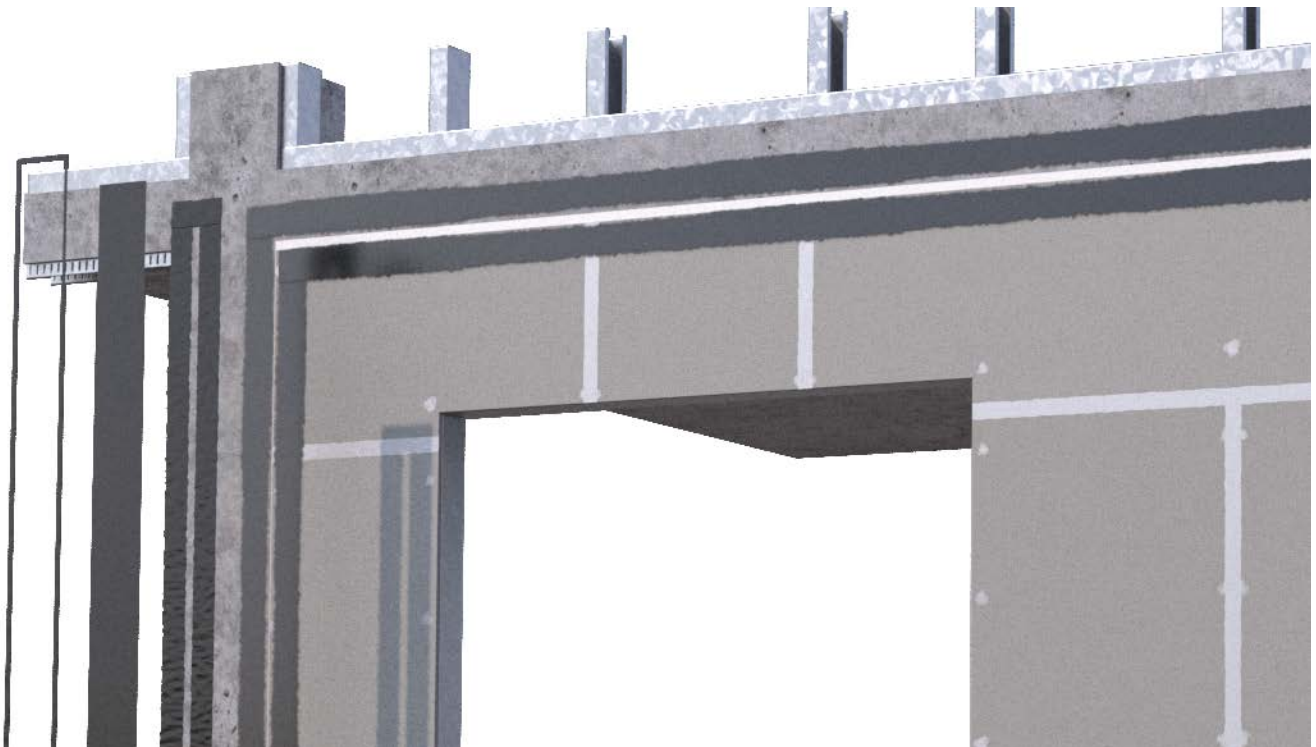
Firmly roll the ISM with a roller to ensure maximum bond strength is achieved.





5

Apply a cap-off bead of paste to the edges of the membrane and spread to ensure a smooth finish.



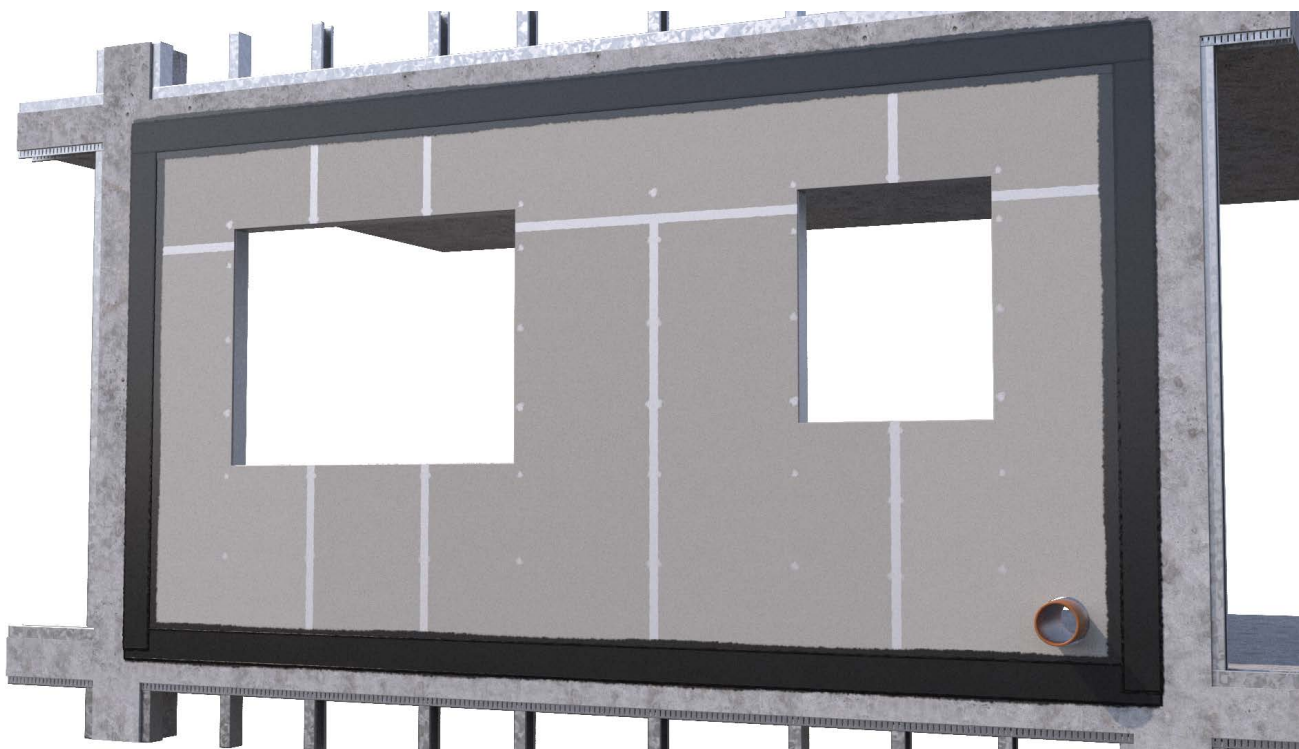
6

Repeat steps 2-5 for the sides of the board infill section. Ensure an overlap of at least 100mm onto the Interface Sealing Membrane on the base.



7

Repeat steps 2-5 for the head of the board infill section. Ensure an overlap of at least 100mm onto the Interface Sealing Membrane on the sides. A wider width of membrane may be required to allow for the deflection head gap.



8

This is how the wall should look like when complete.



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