

FIXER EPDM

Installation Guide

Easy, simple and fast installation with the FIX-R EPDM membrane and accessories



A) Installing the FIX-R membrane to the roof deck

Fully adhere the membrane to the roof deck using either FIX-R Roof Deck Adhesive (WBA) or FIX-R Bonding Adhesive. Install FIX-R RUSS strip where the membrane turns up through an angle change and adhere the membrane to upstands and to horizontal areas around the perimeter by using FIX-R Bonding Adhesive only.



1) Position the membrane and allow to relax for at least half an hour. Then fold or roll the membrane back up to expose the decking.



2) Apply FIX-R Roof Deck Adhesive (WBA) to the roof deck up to the edge of the RUSS strip. If installing with FIX-R Bonding Adhesive, apply to the substrate and to the underside of the membrane.



3) Lay the membrane into the FIX-R Roof Deck Adhesive (WBA) when the adhesive is still wet. If using FIX-R Bonding Adhesive allow the adhesive to become touch dry before mating the surfaces together.



4) Push the EPDM membrane into the adhesive with a soft broom to remove any trapped air and achieve a complete bond. The membrane should be free of any wrinkles or creases.

B) FIX-R PS RUSS strip

PS RUSS (Pressure Sensitive Reinforced Universal Secure Strip) is used with FIX-R Primer to adhere the membrane to the PS Tape on the RUSS strip where the EPDM membrane turns up through an angle change on the roof.



1) Fold the membrane back and apply FIX-R EPDM Primer to the area of EPDM membrane that will mate into the 76mm wide PS tape on the RUSS strip and allow to dry.



2) Once the FIX-R EPDM Primer has cured, remove the protective strip from the PS tape section of the RUSS strip.



3) Lay the primed area of the FIX-R EPDM membrane onto the exposed PS tape on the RUSS strip.



4) Using a hand roller, roll the membrane into the PS RUSS strip to achieve the full bond.

C) Adhering the membrane to upstands and details



1) Apply FIX-R Bonding Adhesive to the EPDM membrane and onto the exposed edge of the RUSS strip.



2) Bonding Adhesive must also be applied to the vertical surface. This must be clean, dry and free of any sharp protrusions. Allow the Bonding Adhesive to become touch dry.



3) Test the Bonding Adhesive to ensure it has become touch dry. Next, work the membrane into the right angle and up the upstand.



4) Mate the two surfaces together ensuring there is no trapped air under the membrane. If the membrane and substrate are put together when wet, bubbling will occur.

D) Seam Detailing

Membrane seams are either sealed by installing a 76mm PS Secure Tape in between the adjoining sheets or installing a 152mm PS Cover strip for butt jointing of membranes or seaming membrane to other materials.

76mm Pressure Sensitive (P.S.) Secure Tape



1) Adhere both sheets fully in position allowing the sheets to overlap by a minimum of 76mm. Apply FIX-R EPDM Primer to both the bottom overlap area and to the underside of the top lap.



2) Once the primer has become dry, unroll a section of tape and position it onto the primed area of the bottom sheet. Continue adhering the tape along the entire seam ensuring there is no trapped air.



3) Once the 76mm tape is bonded to the bottom sheet, fold over the top lap to cover the seam and remove the clear poly backing protective strip and smooth the primed top lap onto the tape.



4) Roll the entire seam with a hand roller, rolling at right angles to the seam, not along it, to achieve full seam strength. 228mm PS cover patches must be applied at seam junctions.

152mm Pressure Sensitive (P.S.) Cover Strip



1) When installing a 152mm PS Cover Strip as a butt joint, adhere both sheets in the required position. Ensure there is no gap between the sheets.



2) Prime a strip 80-90mm either side of the joint with FIX-R EPDM Primer and allow the primer to become touch dry.



3) Once the primer has become dry, unpeel a section of the clear poly backing and start adhering the tape to the primed area with a flat hand. Ensure there is no trapped air in the seam.



4) Roll the entire seam with a hand roller, rolling at right angles to the seam not along it, to achieve full seam strength. 228mm PS cover patches must be applied at seam junctions.

E) Corner Detailing

Corner details are all installed by using 228mm PS Uncured Flashing Tape, NOT 152mm PS Cover Strip.

Internal Corners



1) Adhere the membrane to the upstands (see section C) and fold the membrane together to form a triangular flap. Fold the flap back to one side and trim any excess membrane away leaving a flap approx. 76mm wide.



2) Cut a section of 228mm PS Uncured Flashing to give 76mm coverage past the edge of flap and large enough to extend up to the top of the corner. Put the tape in position and mark around it.



3) Apply FIX-R EPDM Primer to the marked area (inside, outside of the flap & upstand) and allow primer to dry.



4) Once dry, remove clear poly backing and adhere tape into position. Roll the internal corner detail with a hand roller to achieve full detail strength.

External Corners



1) The membrane should be cut from the base of the corner to the top at a 45° angle. Use a section of PS Uncured Flashing to give 76mm coverage round the corner, 50mm past the top of the cut and up to 76mm onto the flat area. Put the tape in position and mark around it.



2) Apply FIX-R EPDM Primer to the marked area. Primer should only be applied to dry and clean surfaces. You can apply FIX-R Primer to a range of surfaces such as brick, plastic, timber etc.



3) Once dry remove clear poly backing and adhere tape into position starting from the top of the tape and working down. Roll the tape then repeat the process from the opposite direction.



4) The finished corner will have 2 sections of tape of equal size overlapping each other by 76mm past the corner. Roll the entire corner to achieve full detail strength.

F) Pipe Detailing

Pipes are sealed by either pre-formed PS Pipe Seals or 228mm PS Uncured Flashing Tape.



1) Using a pre-formed FIX-R PS Pipe Seal, cut the seal at the top to the correct size for the pipe. Always cut above the rib on the pipe seal.



2) Fit the metal clamping ring to the pipe boot. Mark the FIX-R EPDM membrane around the base of the pipe seal to give a guide for applying the FIX-R EPDM Primer.



3) Apply FIX-R EPDM primer to the membrane in the marked area and allow to dry become touch dry.



4) Remove the clear poly backing layer and mate the pipe seal onto the membrane. Roll the flat area of the seal to achieve full strength.

G) Rainwater Outlet Details

68mm Outlet Standard domestic rainwater pipe size for internal outlets through the deck.

Internal Corners



1) Cut the head of the outlet back to leave a 50mm flange around the outlet hole and fix into the decking. Cut the membrane around the perimeter of the outlet head.



2) Apply FIX-R EPDM Primer to the head of the outlet, down into the outlet pipe and onto the membrane around the outlet.



3) Allow the primer to dry and adhere a section of 228mm PS Uncured Flashing Tape to cover the outlet and seal onto the FIX-R EPDM membrane by at least 50mm.



4) Cut an opening in the centre of the tape and form the tape into the outlet by 15mm. Ensure the entire flashing has been rolled and install the leaf grate.

G) Rainwater Outlet Details Continued

Parapet Wall Outlet Preformed outlet for going through walls and false pitched roof perimeter.



1) Install the membrane over the top of the outlet and cut the membrane 25-50mm around the outlet hole. Prime the outlet and the membrane around the outlet with FIX-R EPDM Primer and allow to dry.



2) Install a section of 228mm PS Uncured Flashing Tape to the primed area. Cut a small hole in the tape and form it into the opening.



3) Prime inside the outlet for installing a securing strip of tape. Install a strip of PS Uncured Flashing 76mm wide around the inside of the outlet opening to secure the flashing in place.



4) Roll the entire flashing with the hand roller and install leaf grate.

110mm Top Drain For commercial sized outlets to connect to 110mm rainwater pipes.



1) Fix the outlet into the deck and put the protective yellow cap into position. Install the membrane over the top of the outlet. Find the locating pin on the outlet cap, place the cutting guide over the pin and cut away the circle of FIX-R EPDM membrane.



2) Remove the circle of FIX-R EPDM membrane and remove the protective yellow cap to expose the roof outlet.



3) Put a bead of Water Cut Off Mastic in between the FIX-R EPDM membrane and the top of the outlet.



4) Securely screw in the clamping ring. Once the clamping ring is fully tightened, clip the leaf grate into its three locating tabs.

H) Edge Details

Wall and perimeter details can all be finished with pre-formed details.

Wall Trim

- 1) Cut a chase into the mortar line a minimum of 150mm above the flat of the roof surface, at least 25mm deep.
- 2) Ensure the membrane is fully bonded up to the chase with FIX-R Bonding Adhesive.
- 3) Insert the wall trim into the chase and fix at max of 500mm spacings with Fasteners.
- 4) Seal the top edge of the trim to the wall with Lap Sealant.



Edge Trim

- 1) Lap the membrane over the roof edge by a minimum of 50mm and place the trim on the roof edge.
- 2) Push the trims down to compress the foam and fix into side of roof with polypins.
- 3) Install corners and joint clips.

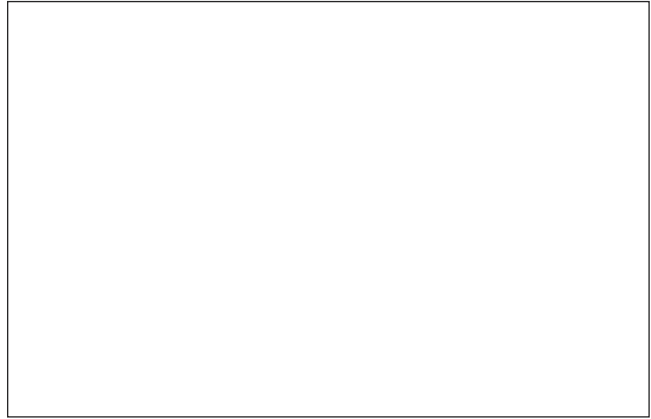


Gutter Trim

- 1) Install the backing plate to the roof edge and ensure membrane overhangs the front of this by 50mm.
- 2) Position the front cover strip over the rubber and the backing plate. Fix into position with the polypins through the membrane and the backing plate.
- 3) Install corners and joint clips.



**For more information visit www.sigroofing.co.uk
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FIX-R EPDM

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