



URDIN PVC Single Ply



General installation guideline

 **EAGLE**

Waterproofing and Insulation Systems

Index

The enclosed technical details and recommendations contained are a guide based in our knowledge and experience. Installer must be sure that material is suitable for the correct waterproofing application, being responsible for the installation of the products and for any consequential loss deriving from the installation of the system.

For any further information please contact our technical department.

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This manual is a general guideline about EAGLE membranes for authorized installers.

Membranes and application fields

URDIN MP: a polyester-reinforced membrane produced in a single multiextrusion process. The membrane is suitable for mechanically-fixed, exposed roof applications. It is also used for detail flashings.

URDIN MP FB: a polyester reinforced membrane produced in a coating process. The membrane has a 300 g/m² non-woven fleece backing. Material suitable for mechanically-fixed, adhered, exposed roof applications over incompatible or rough surfaces.

URDIN MAT: a glass-mat-reinforced membrane produced in a single multiextrusion process. The membrane is suitable for loose-laid, ballasted, roof gardens, utility and parking decks. It is also used for bonding to exposed roof areas and detail flashings.

URDIN MAT FB: a glass-mat-reinforced membrane produced in a coating process. The membrane has a 300 g/m² polyester fleece backing. Material suitable for bonded exposed roof applications.

URDIN SA: an unreinforced membrane suitable on areas where detail work cannot be achieved with URDIN accessories, e.g. corners, pipes, vents. This membrane is not intended, or suitable, for large horizontal or vertical roof applications.

1. Storage

- URDIN PVC-P membranes are delivered in rolls and on pallets to site.
- Material must be stored in a dry place, elevated from the ground/roof and protected against exposure to rain, frost and snow.

2. Labelling

- URDIN rolls are individually labelled with batch code, length, thickness and width.

Compatibility

URDIN PVC-P membranes are compatible with an extensive range of materials and substrates. Please refer to the URDIN PVC-P technical datasheets.

Insulation Boards

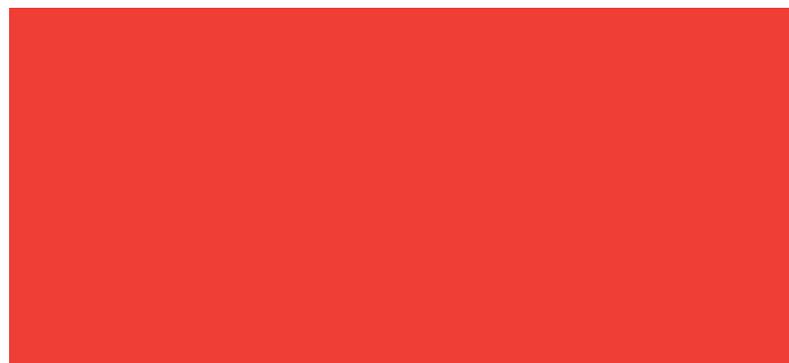
- URDIN cannot be laid directly to XPR/PIR insulation boards. A minimum 120 g/m² separation geotextile must be used between the URDIN PVC-P membrane and the insulation boards.

Bitumen

- Bitumen products must be separated from URDIN PVC-P by using a geotextile/ separation layer during installation. It is possible to apply URDIN MP FB and URDIN MAT FB directly on old/oxidized bituminous membranes.

Pvc Membrane Systems

- When overlaying an existing PVC membrane system or a TPO membrane system with URDIN PVC-P, a geotextile separation layer must be used between the membranes during installation.
- If in doubt please contact our technical department for advice on compatibility with URDIN and other materials.



Membrane cleaning procedure

Cleaning and preparation procedures of URDIN PVC-P overlaps

- URDIN must be clean and dry before welding.

URDIN PVC-P (clean)

- We recommend to clean and dry all overlaps and welding seams to new and existing membranes prior to welding. Dirty membranes must be cleaned with URDIN PVC-P Cleaner prior to welding.

URDIN PVC-P (dirty)

- Clean with a broom (dirty building site, - clean with water air-born dust) - clean with URDIN PVC-P Cleaner (use only on dirty surfaces) - wait for the solvents to disperse and the membrane to dry before welding

URDIN PVC-P (very dirty)

- Clean with a broom (refurbishment/extension - clean with water and scrubbing brush (power project) wash if necessary)
- Clean with URDIN PVC-P Cleaner using a brush to dirty surface
- Wait for the solvents to disperse and the membrane to completely dry before welding.
- Do not rub the dust and dirt into the membrane. Apply cleaner liberally to the surface or overlap and draw the dirt and Cleaner off on to a clean white cloth.

NOTE: For full details on the use of URDIN PVC-C Cleaner please refer to the product data sheet.



Equipment

To install URDIN PVC-P membrane systems the following equipment should be used:

- Hot-air digital welding gun
- 40 mm nozzle for main seam welding
- 20 mm nozzle for detailing
- 20 mm cranked nozzle for difficult detail work
- 4 mm / 5 mm speed welding nozzle for welding URDIN cord
- 28 mm rubber roller for main seam welding
- 6 mm brass roller for difficult details
- Dremel for cutting T-Joints
- Scissors
- Metal snips for cutting
- URDIN coated metal
- Seam probe tester
- Automatic welding machine
- Prior to welding, ensure the membrane edges to be welded are clean and dry.

Overlap width

- Minimum 5 cm for adhered, or ballasted, roofing systems.
- Minimum 8 cm when using EPS insulation on a warm-ballasted, roofing system. (This avoids the welding machine nozzle melting separation fleece and the insulation).
- Minimum 11 cm for mechanically-fixed roofing systems.



Hand welding procedure

Nozzle care

- The nozzle used must be cleaned using a wire brush and the air gap should be equal across the full width of the nozzle.

Welding temperature

- URDIN PVC-P has a wide welding window. This allows the operative to work slowly on difficult details. The temperature can be adjusted easily on the back of the PID gun to suit all conditions and applications.
- The basic setting temperatures for hand welding URDIN PVC-P are 450/550 °C.
- It is necessary to carry out a welding test in order to determine the correct temperature setting in line with weather and building site conditions.
- Operating voltage can alter depending on the country. This can range from 110 to 220/240 volts.

NOTE: Do not use a shared power supply or long cables or 110 volt cables with a diameter less than 6 mm.

- Use a 40 mm nozzle for main, straight-line welding and a 20 mm nozzle for detail work.

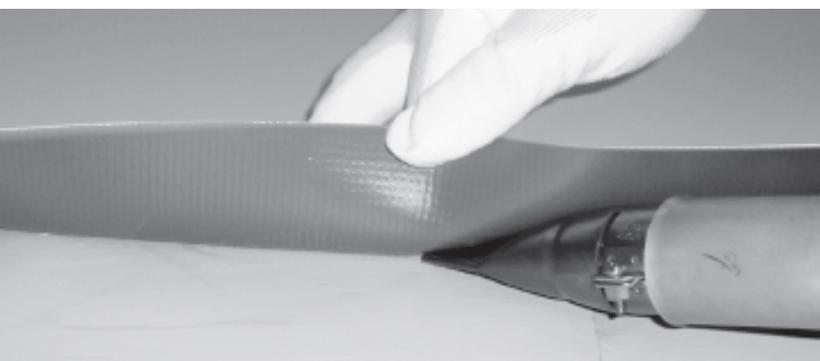
Spot welding

- To hold the membrane in place, spot-weld the internal part of the overlap every 40 cm.

Pre-welding

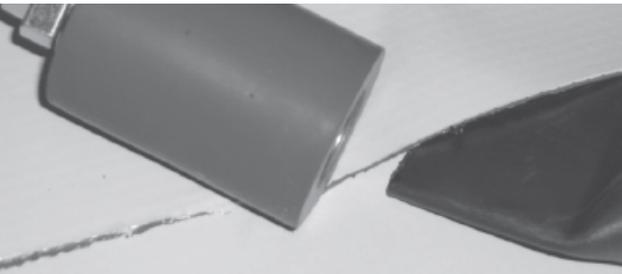
- Weld the rear overlap area along the full length, allowing a width of 4 cm for the main weld.
- Using 40 mm nozzle - 4 cm
- Using 20 mm nozzle - 3 cm

NOTE: Check the pre-weld for delamination before continuing the main weld.



Main weld

- With the nozzle angle at 45° to the welding line.
- With the roller at 1 cm from the nozzle, apply pressure to the top sheet in a continuous back-and-forth flowing movement.

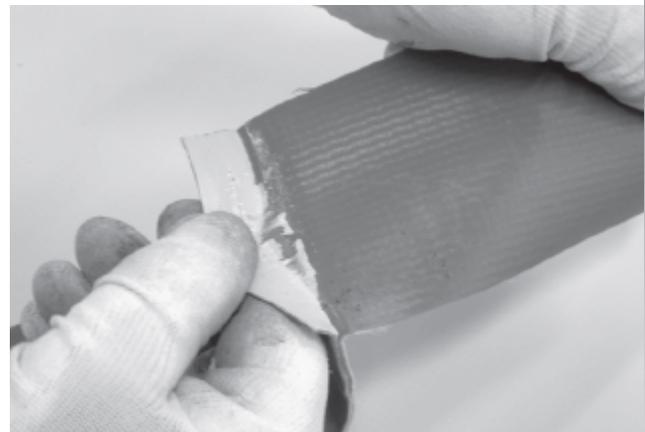


Automatic welding

- When using automatic welding equipment, such as a Leister Varimat (or similar approved) in conjunction with a URDIN PVC-P standard nozzle, ensure the welding machine has been adjusted correctly for welding URDIN PVC-P (alignment and temperature) and the standard nozzle is clean with even air flow.
- The basic setting temperature and speed for automatic welding URDIN PVC-P is as follows:
 - LEISTER VARIMAT (or similar approved)
 - TEMPERATURE 450/550 °C
 - SPEED 2/3 m/minute

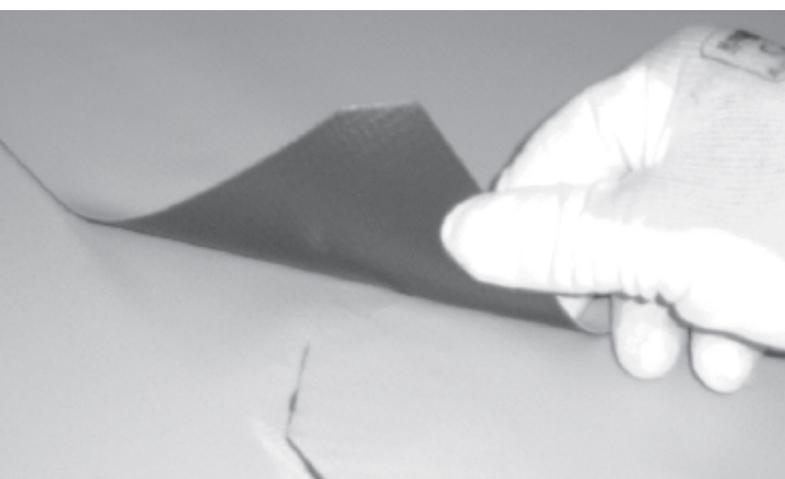
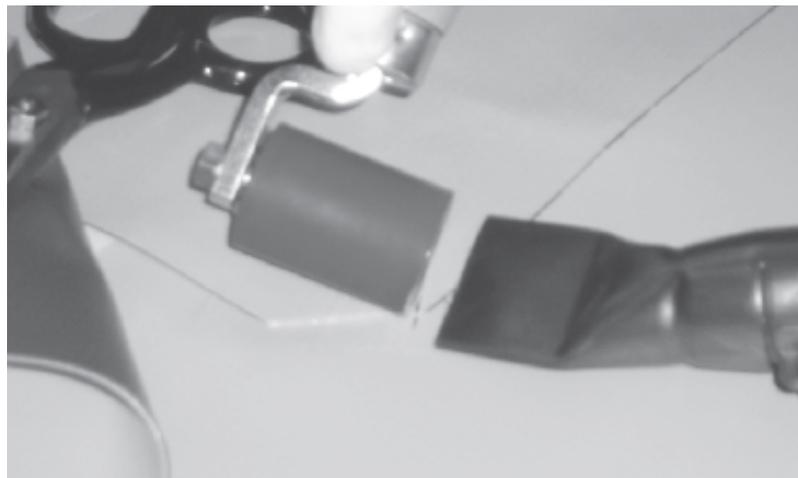
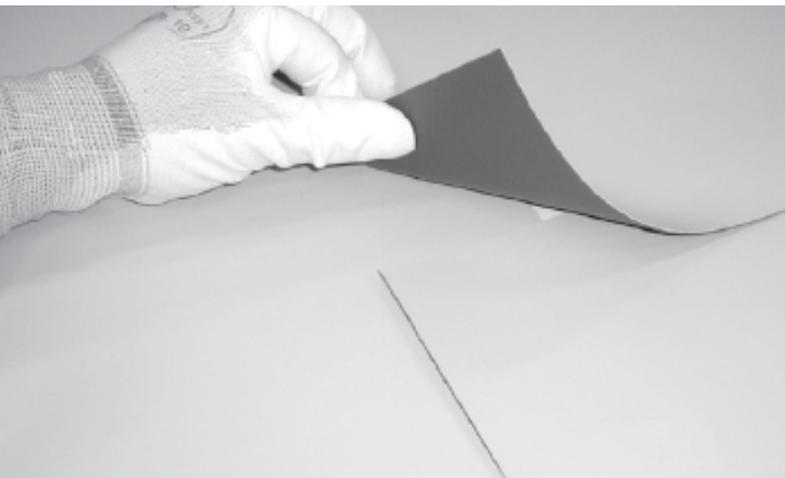
Welding temperature/speed

- Working temperatures can be affected by environmental and climatic conditions on site such as the roof surface temperature, humidity and wind.
- Each day, before starting work on the waterproofing project, carry out a sample weld on a 2 meter strip of 2 x 30 cm membrane and then test the weld using the destructive test method.



Welding T-joints

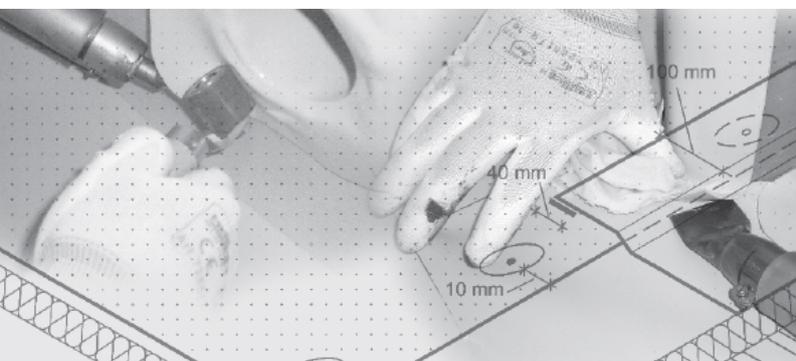
- Transverse or T-Joints are created when the membrane sheets overlap more than one. On PVC membranes with a thickness of 1,5 mm and above, it is necessary to remove the step along the membrane edge where the membranes are welded together. This prevents any risk of capillary action of water along the welding line.
- For example this procedure is carried out using a Dremel tool and stone grinding wheel.



Mechanical fixing to a horizontal surface

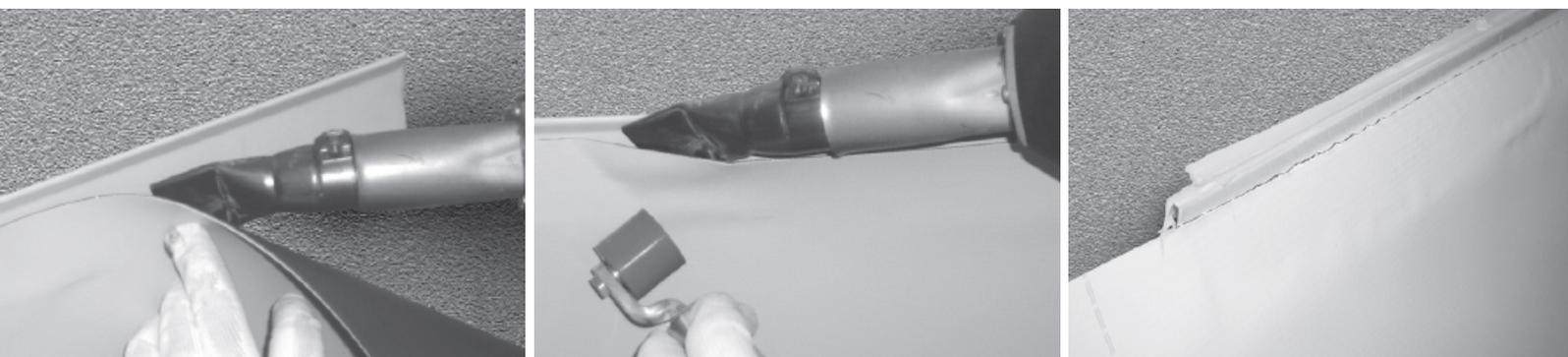
- Buildings and roof areas are affected by wind loadings due to their height, location and topography. All mechanically fixed roof areas are design specifically, having three/four areas (according to the wind load calculations/ regulations of the country): perimeter, corner and field zones. The number of fixings must be determined for each of these zones before the installation of the URDIN PVC-P MP / P FB system.
- URDIN PVC-P MP / MP FB membrane systems are mechanically fixed using metal plates, or plastic telescopic tubes, and fixing screws to a variety of substrates that include concrete, timber and metal trapezoidal sheets.
- The plates and fixings are placed in a straight line 1 cm from the edge of the membrane.
- The minimum overlap of the adjoining membrane is 11 cm.
- When fixing in to a metal trapezoidal deck, the membrane must be installed at 90° to the decking profile. This spreads the load evenly across the width of each decking sheet.
- A mechanically-fixed membrane must be fixed around all penetrations that go through the roof system, such as outlets, pipes and columns.
- Insulation boards incorporated within the URDIN PVC-P MP / MP FB system are mechanically fixed, or bonded, independently of the roofing membrane.

NOTE: For fixing and design calculations, please consult our technical department.



Mechanical fixing to a vertical surface

- For features, such as vertical upstands with a height of over 50 cm on perimeter and internal walls, mansard roofs, roof-lights and smoke ventilator kerbs, additional fixings must be used to secure the membrane. The frequency of fixings per linear meter will be determined by the height, location and topography of the building.
- On mansard roofs the fixings should not be greater than 25 cm apart.
- The overlap width of the adjoining membrane covering the fixing plate line should be a minimum 11 cm.
- Manual welding procedure: Spotweld, pre-weld, check pre-weld, main weld.



Perimeter fixing

URDIN MP / MPFB

■ Polyester-reinforced membrane systems must be mechanically fastened at all upstands with pre-punched bars, or fixing plates, and screws. The membrane should be secured at the base of the upstand to the horizontal or vertical face.

URDIN MAT FB

■ Glass-mat-reinforced membranes, for use on bonded applications, must be secured at all perimeters and protrusions through the roof with peel stop bars/plates and fixings. The membrane can be secured at the base of the upstand to the horizontal or vertical face.

URDIN MAT

■ Glass-mat-reinforced membranes, for use on ballasted applications, must be secured at all perimeters and protrusions through the roof with URDIN pre-punched bars.

■ The membrane can be secured at the base of the upstand to the horizontal or vertical face.

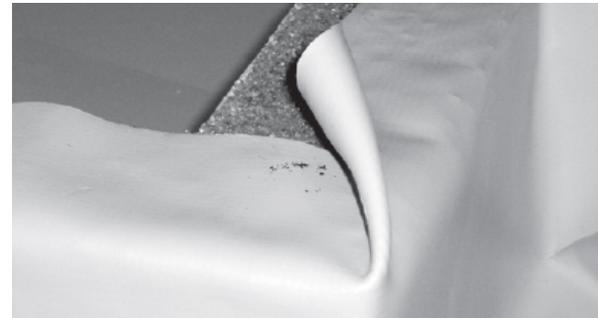
■ The use of URDIN PVC-P cord is recommended in conjunction with URDIN pre-punched bars.

■ The URDIN pre-punched bars, screws and plates are recommended for perimeters and for all large penetrations through the roof such as roof lights, smoke vents, etc.

■ Ensure a 1 cm gap is left between the URDIN bars to allow for expansion.

■ To protect the waterproofing membrane from damage during stress loading the bar ends should be covered with a strap of membrane as shown.

NOTE: Mechanically fix with plates and screws around smaller penetrations such as pipes, columns and outlets.



Adhered to a horizontal surface

- URDIN MAT FB membrane is fully adhered, or strip bonded, using URDIN ADH PB52, a mono-component PU based adhesive, to a variety of substrates that include concrete, timber, old bitumen and asphalt, polyurethane and EPS insulation boards. The glue is applied to the substrate with a rubber squeegee/spatula or fleece roller. (Please refer to the installation and spread rate instructions on the tin and the data sheet).
NOTE: Wind load calculations must be applied when using a strip-bonded system.

Compatibility

- URDIN ADH PB 52 cannot be used on newly laid bitumen, fibrous or wet surfaces.
- URDIN ADH PB 52 is spread with a rubber squeegee or spatula at a spread rate of approximately 300-400 g/m² to the substrate. (Please refer to the installation and spread rate instructions provided on the tin and data sheet).
- For smaller roof areas, URDIN MAT can be bonded using URDIN ADH PB 52 solvent-based contact adhesive, to a variety of solvent-resistant substrates. The glue is applied to the membrane and substrate with a timber-core, fleece roller. The solvents must be allowed to evaporate before bringing both surfaces together.
- Do not allow glue to contaminate the welding seam or areas that need to be welded. Should this occur, the glue must be removed.

Fully adhered to a vertical surface

- On upstands to perimeter and internal walls, roof lights and smoke-vent kerbs etc. above 50 cm, URDIN PVC-P must be bonded to the vertical face of the upstand with URDIN ADH PB 52 solvent based contact adhesive.
- The glue is applied to the upstand surface and to the URDIN PVC-P membrane using a roller.
- Once the solvents have dispersed, bring the two surfaces together, taking care to smooth the membrane to avoid any creases or air blisters.
- Do not apply glue to the bottom leg of the membrane flashing or areas that need to be welded. Should this occur the glue must be removed immediately with URDIN PVC-P Cleaner, otherwise the membrane will not weld. (Please refer to the installation and spread rate instructions provided on the tin and data sheet).

Compatibility

- URDIN ADH PB 52 cannot be used on newly laid bitumen or extruded/expanded polystyrene insulation boards, fibrous or wet surfaces. Please contact our technical department for advice on spread rates and compatibility with different materials.

Accessories

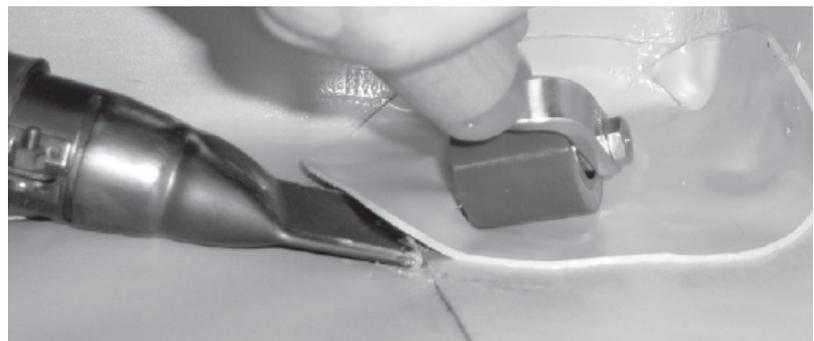
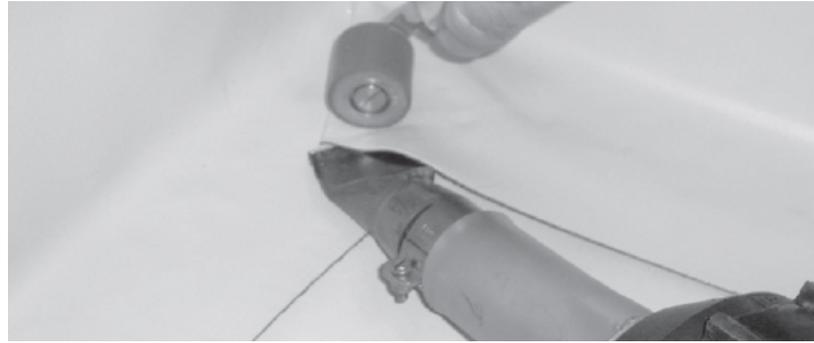
- The URDIN PVC-P system has an extensive range of hot-air-weldable accessories that include outlets, wall scupper outlets, vents, internal/external corners and URDIN PVC-P laminated profiles and sheets that complement the URDIN PVC-P roofing system.

Note: To comply with the URDIN PVC-P system warranty, only EAGLE accessories must be used in conjunction with the URDIN PVC-P membrane.

Internal corner detail

- Mechanically fix, or fully adhere, URDIN PVC-P field sheet membrane with pre-drilled bars, peel stop bars, plastic telescopic or metal fixing plates with screws to the vertical or horizontal surface of the upstand. Locate the bars or plates 15 cm away from the corner to enable welding without obstruction.
- Fold the excess membrane in the corner to form a 45° crease and weld the pocket together.
- Weld the pocket to the membrane upstand as shown.
- Bond or mechanically fix the membrane flashing into position on the vertical face of the upstand. To assist with this operation, it is advisable to pre-crease the membrane shape you require, using the hot air gun and roller, before fixing.





- Fold the membrane pocket and cut the crease 2 cm from the corner.
- Fold one leg of the flashing below the other. Cut the leading edge with scissors in a neat curve and weld in place. Pre-weld and check the pre-weld before completing the main weld.
- Fold the top membrane leg over the bottom cut at approximately 45° angle, curving the leading edge neatly with scissors.
- Weld the top leg of the flashing in place. Pre-weld and check pre-weld before completing the main weld.
- Position the URDIN PVC-P pre-formed internal corner.
- Working from the center of the corner outwards, tack-weld, pre-weld and check pre-weld before completing the main weld. Use a 20 mm nozzle and narrow brass roller for awkward details.

Note: Before welding ensure the membrane and pre-formed corners are clean. Use a clean, white cloth and URDIN PVC-P Cleaner.

Internal corner with a vertical crease

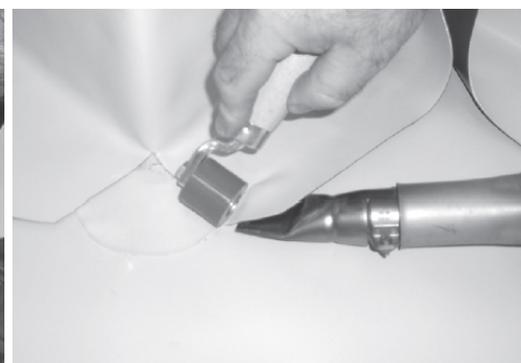
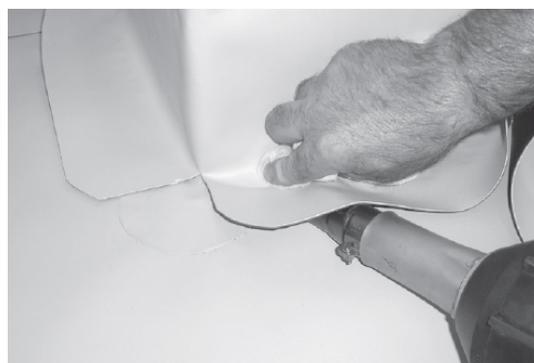
- Mechanically fix, or fully adhere, URDIN PVC-P field sheet membrane with pre-drilled bars, peel stop bars or fixing plates with screws to the vertical or horizontal surface of the upstand. Locate the bars or plates 15 cm away from the corner to enable welding without any obstruction.
- Fold the excess membrane in the corner to form a 45° crease and weld the pocket together.
- Weld the pocket to the membrane upstand.
- Cut the length of membrane you are going to use for the upstand and pre-crease the bottom leg using the hot air gun and roller to aid installation.
- Apply URDIN ADH PB 52 contact adhesive to the vertical upstand and to the underside of the membrane flashing taking care not to allow glue to contaminate the area you intend to weld. Allow the solvents to flash off before bringing both surfaces together.
- Weld the first flashing in place.
- Spot-weld, pre-weld and check pre-weld before completing the main weld.
- Cut, pre-bend and install the adjoining membrane as previously described.
- On PVC membranes with a thickness of 1,5 mm and above, it is necessary to remove the step along the membrane edge where the membranes are welded together. This prevents any risk of capillary action of water along the welding line.
- For example this procedure is carried out using a Dremel tool and stone grinding wheel as shown.
- Fold and crease the excess membrane into a pocket and weld together as shown.
- Fold the membrane back onto the opposite face. Draw a vertical line along the length of the flap in line with the bottom welded leg and neatly cut off the excess with scissors before welding into position.
- Complete the corner detail by hot air welding the flap.

Note: Should the glue accidentally enter the area you intend to weld you must remove the glue immediately from the membrane using URDIN PVC-P Cleaner. Otherwise the membrane will remain contaminated and will not weld together.

External corner detail

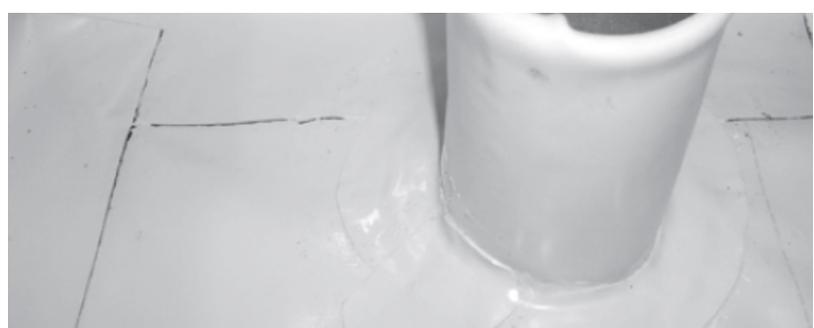
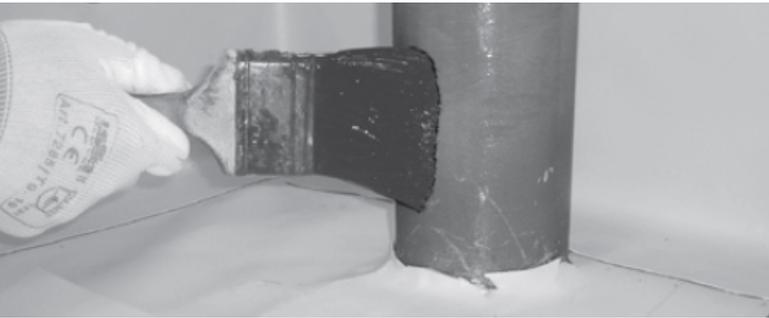
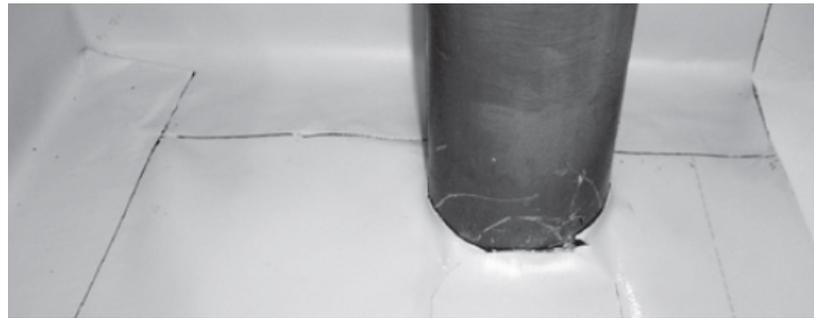
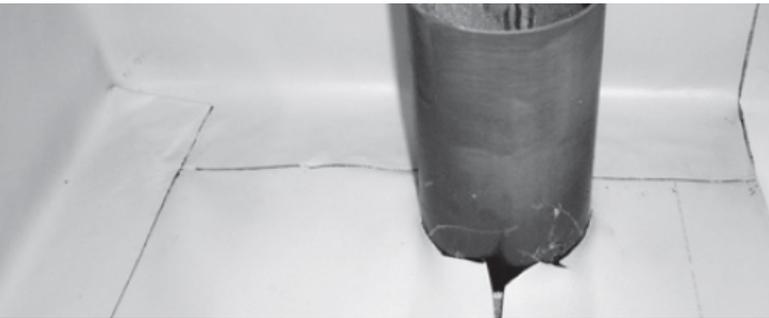
- Mechanically fix, or fully adhere, URDIN PVC-P field sheet membrane, with pre-drilled bars, peel stop bars or fixing plates with screws, to the vertical or horizontal surface of the upstand. Locate the bars or plates 15 cm away from the corner to enable welding without any obstruction.
- Cut a length of membrane to fit the shape of the upstand. Cut the bottom leg of the flashing to allow it to fold at 90°. Bond or mechanically fix the membrane flashing into position on the vertical face of the upstand. To assist with this operation, it is advisable to pre-crease the membrane shape you require, using the hot air gun and roller, before setting in position.
- Then spot-weld, pre-weld and check the pre-weld before completing the main weld.
- Position the URDIN PVC-P pre-formed corner and weld in place working from the center outwards. Spot-weld, pre-weld and check pre-weld before completing main weld.
- The 20 mm nozzle is recommended, in conjunction with a narrow brass roller for awkward details.

Note: On corners other than 90°, use adjustable pre-formed petal corners or form the detail with URDIN SA unreinforced membrane.



Vent / pipe detail

- Neatly cut a hole in the field sheet and then dress the membrane over the pipe or vent as illustrated.
- If this is not possible, cut a square of membrane neatly, cut a hole smaller than the pipe in the center and round off the corners with scissors.
- Warm and stretch the hole, using hot air from the hand gun, and then pull the square down over the pipe or vent to create an upstand and temporary water-tight seal.





- Pre-formed pipe collar.
- Warm the collar and then pull it down over the pipe and hot air weld the flange to the main field sheet. Using a 20 mm nozzle, spot-weld as close to the pipe as possible and then, working outwards, pre-weld and check the pre-weld before completing the main weld. (Should access or size be difficult, use a larger diameter pipe collar, cut it open on one side, then wrap around the pipe and weld the overlap on the collar and the flange to the field sheet). Otherwise form this detail in non-reinforced membrane.
- Apply URDIN Sealant around the top rim of the collar to ensure a completely waterproof seal.
- Fit a stainless steel, or non-corrosive, jubilee clip around the rim and tighten as necessary.

Perimeter edge flashing

- URDIN PVC-P metal laminate is supplied in flat sheets or profiled flashings, 2 meters in length x 1 meter in width.
- Mechanically fix the profile trim to the perimeter edge with expansion nails or counter-sunk screws.
- At all joints it is necessary to leave a 1 cm gap between the profiles to allow for expansion and contraction.
- To ensure the face of the profile remains straight and square, insert a metal butt strap beneath the joint making sure it fits tight in to the lip of the drip.
- Overlay the gap with 2 cm wide masking tape. This prevents the membrane strip from welding along the joint.
- Weld a 10 cm wide membrane strip to the joint.

Note: Do not use domed fixings as they prevent the membrane cover flashings welding flat against the metal.

- To assist the welding of the membrane along the top of the URDIN PVC-P metal, leave a 1 cm gap from the front face. Hot air weld the new flashing by spot-welding, pre-welding and checking the pre-weld before completing the main weld.

Note: Always ensure that the perimeter edge and fixings used can accommodate the wind loadings created. URDIN PVC-P metal profiles should be fixed at a maximum of 25 cm fixing centers. Should the front face be deeper than 15cm a secret fix method can be used or additional screws must be inserted into the face of the metal profile.



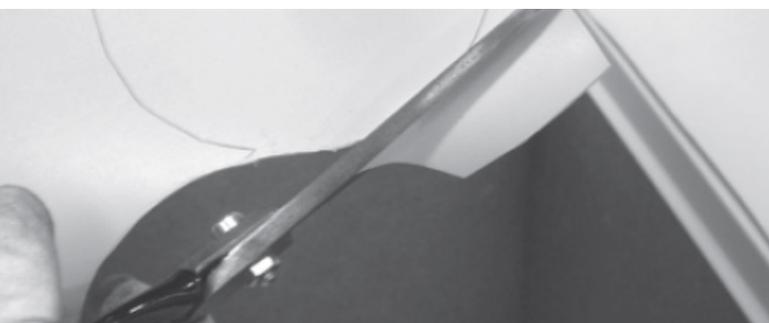
Parapet wall detail

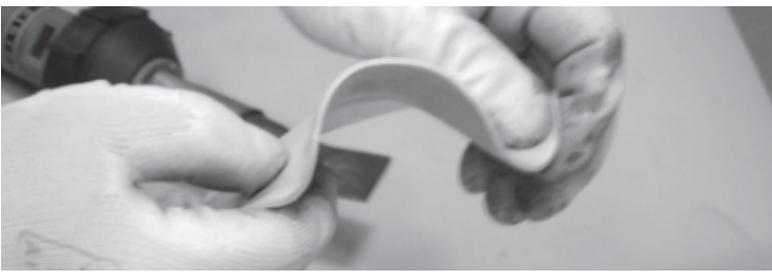
- Mechanically fix URDIN PVC-P field sheet with plates, telescopic tubes or URDIN bars at the base of the upstand wall.
- Mechanically fix with countersunk, flat-head screws, twice bent URDIN PVC-P edge profile metal at a minimum of 25 cm.
- Pre-bend URDIN PVC-P membrane and tack weld tight to the base of the upstand. Pre-weld then check the pre-weld before completing the main weld.
- Measure, mark and pre-bend the membrane flashing so it fits tight at the top of the internal face of the parapet wall as illustrated.
- Tack weld to the URDIN T edge trim. Pre-weld then check the pre-weld before completing the main weld.



Internal corner detail

- Mark the cutting line with a pencil to the vertical and horizontal surface.
- Cut along the horizontal face following the pencil line.
- Open the metal and bend to the required angle.
- Mechanically fix the profile trim to the internal perimeter edge with expansion nails or countersunk screws.
- Hot air weld the upstand membrane flashing to the front face of the profiled metal.
- To assist the welding of the membrane along the profile, leave a 1 cm gap from the top edge. Hot air weld the new flashing by spot welding, prewelding and checking the pre-weld before completing the main weld.
- Using the reversed face of a URDIN PVC-P external corner and then hot air weld the corner as illustrated.





Note: Always ensure that the perimeter edge and fixings used can accommodate the wind loadings created.

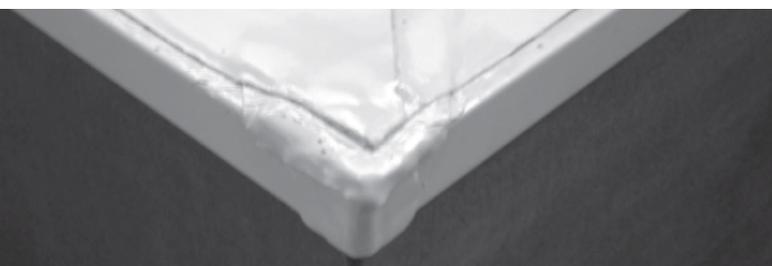
- URDIN PVC-P profile fixing centers must not exceed 25 cm. Do not use domed fixings to secure URDIN PVC-P metal profiles as they prevent the membrane cover flashings welding flat against the metal.

External corner to perimeter edge flashing

- Mark the cutting line with a pencil to both faces of the profiled metal.
- At the pencil line, squeeze the drip along the bottom edge as shown to identify the bending point.
- Cut out, along the pencil lines, a 30° wedge.
- Bend the profile to form a 90° corner and trim the overlap at 45°.
- Mechanically fix the profile trim to the perimeter edge with expansion nails or countersunk screws.
- Pre-bend the membrane to the internal wall so that it fits tight to top of the up-stand before welding to the URDIN PVC-P metal profile as illustrated.
- To assist the welding of the membrane along the profile, leave a 1 cm gap from the top edge. Hot air weld the new flashing by spot welding, pre-welding and checking the pre-weld before completing the main weld.
- Complete the detail by welding the external face of an internal corner as shown.

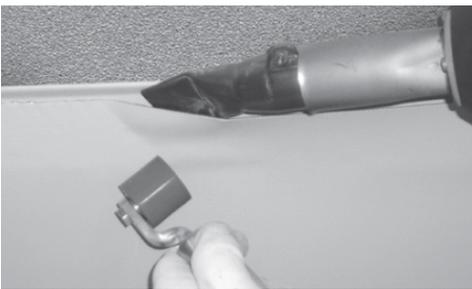
Note: Always ensure that the perimeter edge and fixings used can accommodate the wind loadings created.

- URDIN PVC-P profiles fixing centers must not exceed 25 cm. Do not use domed fixings to secure URDIN PVC-P metal profiles as they prevent the membrane cover flashings welding flat against the metal.



Wall termination profile

- Mechanically fix URDIN PVC-P wall termination profile with countersunk flat head screws to the wall upstand at a maximum 25 cm centers.
- Where the profile joins, weld a minimum 5 cm wide strip over the joint to seal the two together.
- Pre-bend the URDIN PVC-P membrane flashing to create a sharp crease and tack weld the flashing tight to the base of the upstand.



- Pre-weld, check the pre-weld before completing the main weld of the bottom leg of the flashing to the main field sheet.
- Tack weld the top of the flashing to the wall profile.
- Cut level leaving a 1 cm gap from the top of the profile to assist the welding procedure.
- Pre-weld and check pre-weld before completing main weld.
- Apply URDIN Primer before applying URDIN Sealant along the full length of the profile.

Seam testing procedure

- Non-destructive control method.
- The test is carried out on cooled membrane with a metal seam probe. The probe is run along the welded edge using sufficient pressure to identify defective seams.
- Should a defective seam be detected please follow the seam cleaning procedure explained on page 9.
- In dirty or extreme circumstances, it will be necessary to weld a 15-20 cm wide strip of membrane over the defective welding line.
- In this case the excess dirt should be removed with URDIN

PVC-P Cleaner prior to welding.

- Once the membrane has cooled, re-test using the seam probe.

Note: to avoid mechanical damage to the membrane the seam tester must have a rounded point.

- Destructive control method.
- Cut out a strip from the welded seam 1 cm wide x 15 cm in length.
- Apply pressure to the weld by pulling the two ends of the strip apart.
- The membrane is twice as strong at the weld. Failure must occur outside the weld as illustrated in the photograph.

Note: When setting up the automatic machine each day, it is recommended a test length of approximately two meters be welded and then destructive test samples taken as described above.

Damage repairs

- As the membrane has a dark bottom layer, it is easy to see any damage to the membrane's top surface. Should damage occur after installation, or on older membrane, the repairs are simple.
- Cut a disc of membrane that covers completely the damaged area.
- Using a pencil, trace around the disc onto the membrane surface.
- Using a clean white cloth, apply a liberal amount of URDIN Cleaner to the area and remove the dirt by drawing it off the membrane with the cloth.
- Once the solvents have flashed off, and the membrane is completely dry, weld the new patch by starting in the center and working out, checking the integrity of the weld as you progress.

Note: Do not rub the dirt and the solvent into the membrane. Apply the Cleaner liberally to the weld area then lift off the dirt and Cleaner on to a white cloth. Allow the solvents to flash off before welding.

Welding to an existing pvc-p membrane

- When connecting or joining a new URDIN PVC-P membrane system to one previously installed, for example a roof extension make sure the existing membrane is free of dust and dirt. This can be achieved with the use of a water pressure machine or by following the guidelines on page 9 of this manual. Once the membrane is clean and dry, use an automatic welding machine to weld the membranes together.

Note

- SINTEC has the right to modify or change the text, photographs or details contained in this manual. This is to enable any new or innovative production or practical installation methods to be applied to the manual should they arise.
- SINTEC will warranty only the systems and accessories manufactured by the Group. Further, these systems must be installed only by approved contractors and operatives who have undertaken training to install the URDIN systems.
- For all technical guidance on the installation of the URDIN ROOFING SYSTEMS not covered in this manual, please contact the nearest registered SINTEC technical department.

URDIN PVC Single Ply
General installation guideline



Waterproofing and Insulation Systems

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