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# ARDEX Butynol®

## Installation Instructions

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For installation of ARDEX Butynol and Butyseal

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# ARDEX Butynol®

## Installation

### LAYING SPECIFICATION

The Sub contractor for the work called for in this trade will be a Company or Person approved by ARDEX.

The approved Applicator (hereafter called the Applicator) shall examine all drawings and provide for the flashing, caulking and sealing of all vents, stacks and pipes penetrating the roofing membrane. Also all flashings at walls, parapets, verges, gutters etc., unless otherwise instructed in the specifications.

The surface to which Butynol® is to be fixed shall be clean, smooth, dry and free from sawdust, grit or sharp objects. Membrane laying shall not start until defects have been corrected.

To avoid staining care should be taken to avoid water runoff from copper downpipes or guttering on to light coloured Butynol®.

When CCA plywood is used in conjunction with a light coloured membrane it is advisable to prime any plywood that will not be covered the same day.

It is the responsibility of the Applicator to ensure that the surface to be covered by the Butynol® is in fit and proper condition, suitable in all respects for the laying of the material.

On completion the Applicator will provide the owner with a Workmanship Warranty and obtain from ARDEX a Materials Warranty.

Failure to comply with the above specifications will result in all warranties being null and void.

### LAYING THE BUTYNOL®

Before applying the Butynol®, it shall be unrolled for twenty minutes to relieve stresses induced by manufacture and storage. The Butynol® sheet shall be set out in the exact position in which it will be finally required and while it is held in place, it shall be folded back lengthwise to expose half the underside. To the now exposed underside and the area of roof also left exposed, apply an even coat of WA98 Adhesive. When the adhesive has become touch dry, work the sheet back into its original position avoiding wrinkles and the inclusion of air bubbles.

Repeat the process with the other half of the sheet and when completed, roll the whole sheet with hand press rollers or the like.

When applying the next sheet, it shall be lapped over the first sheet by 50mm. All turn ups and downs shall be neatly formed and cut to a straight line if required.

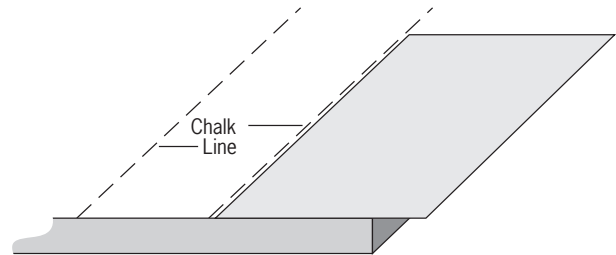
Butynol® shall not be laid under tension.

When the whole area has been covered or as work progresses, the applicator has to seal the laps.

### BUTYNOL® LAYING METHOD

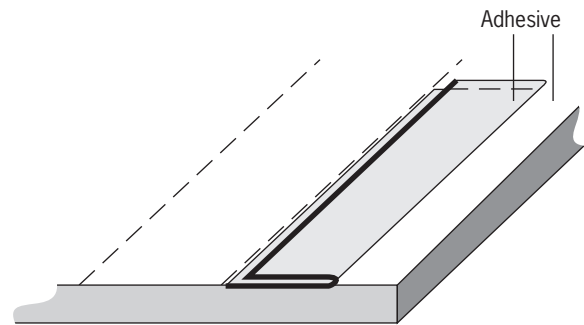
#### STEP 1

Accurately place sheet. Mark spacing with chalk line.



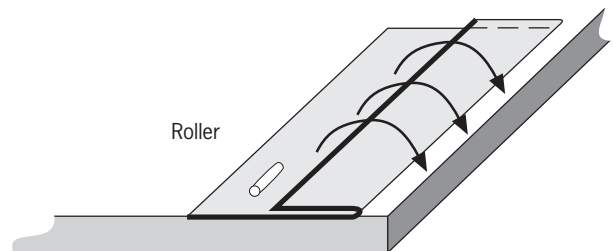
#### STEP 2

Fold back half sheet. Apply adhesive to both faces.



#### STEP 3

After flash off, fold membrane into place. Roll thoroughly.



#### STEP 4

Treat 2nd half of Butynol® similarly.

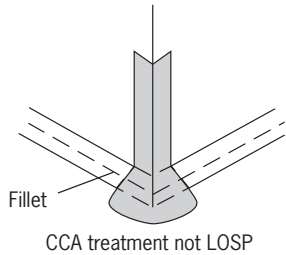
# ARDEX Butynol®

## Installation

### EXTERNAL CORNERS

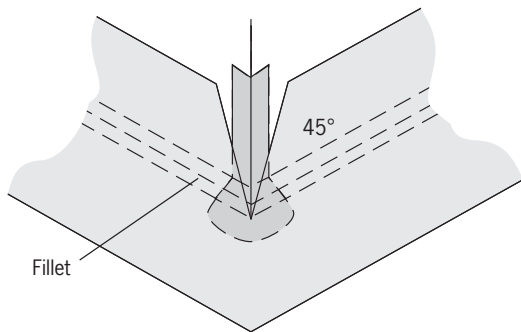
#### STEP 1

Bond 100mm flashing to corner as shown.



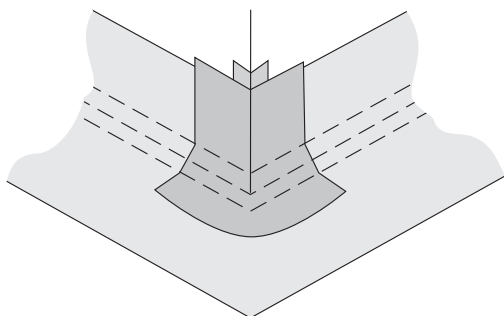
#### STEP 2

Bond Butynol® to deck and up wall 150mm minimum. Cut sheet from corner at 45° as shown.



#### STEP 3

Cover corner point with layer of detail tape.

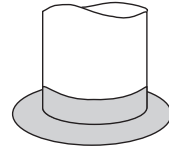


NOTE: Fillets must be used on all internal corners.

### FLASHING - EXISTING PIPE

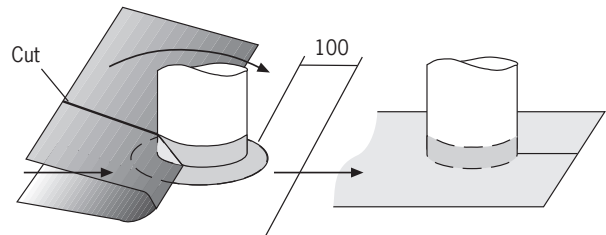
#### STEP 1

Under flash pipe with 100mm Butynol® flashing tape.



#### STEP 2

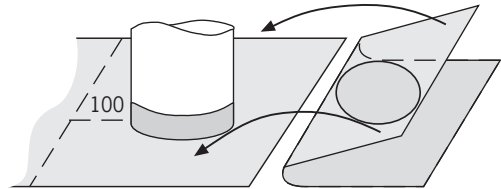
Bond Butynol® to 100mm past pipe. N.B. When flashing black Butynol® use Butynol® or detail tape.



#### STEP 3

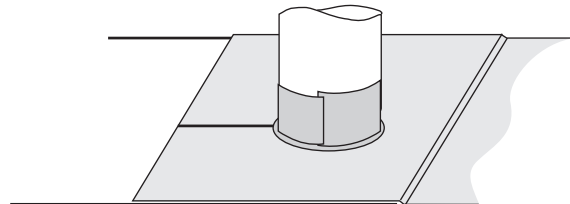
Bond continuation of Butynol® to overlap base sheet and beyond pipe 100mm.

Cut a smooth round hole 20mm smaller than diameter of penetration.



#### STEP 4

Apply collar of detail tape or Butynol® cover strip. DO NOT STRETCH STRIP.



**N.B. Flashing tape MUST NOT be left exposed. Cover strip must be Butynol®. When detail tape is used a cover strip of Butynol® is not required.**

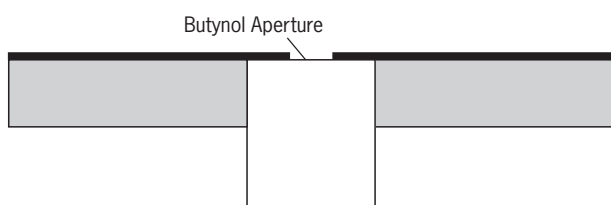
# ARDEX Butynol®

## Installation

### FLASHING - NEW PIPE

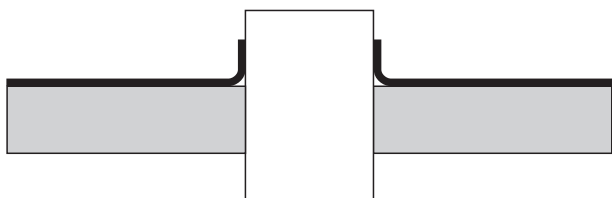
#### STEP 1

Cut smaller diameter hole than pipe.



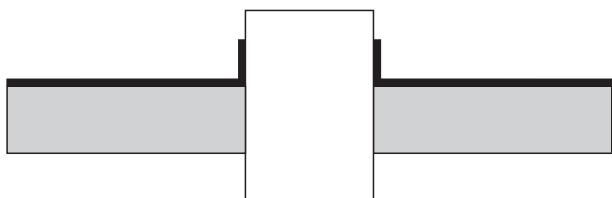
#### STEP 2

Pipe is raised through smaller diameter hole in Butynol®, forcing edge upwards to create upstand.



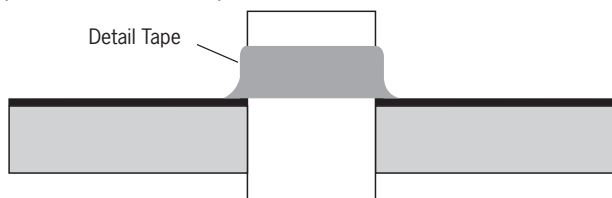
#### STEP 3

Pull pipe down to eliminate void.



#### STEP 4

After pulling pipe down approximately 1cm to sharpen corner, tape upstanding Butynol® to pipe using seam primer and detail tape.



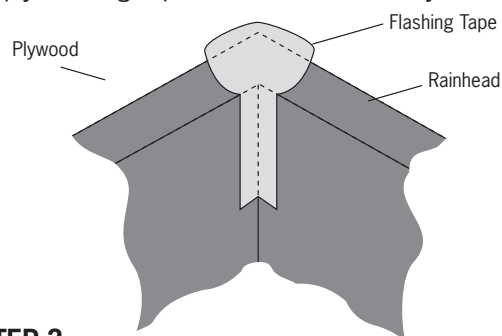
**N.B. If flashing tape is used it MUST NOT be left exposed. A cover strip of Butynol® must be applied over the flashing tape to finish.**

### INTERNAL CORNERS FOR RAINHEADS

and areas where a pig's ear cannot be used.

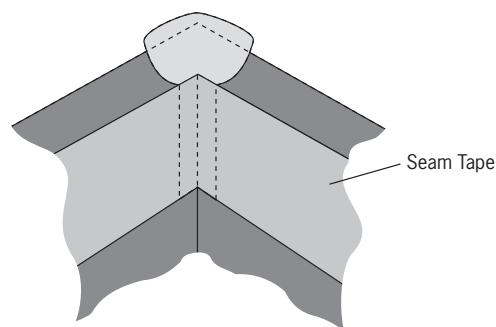
#### STEP 1

Apply Flashing Tape over Rainhead and Plywood.



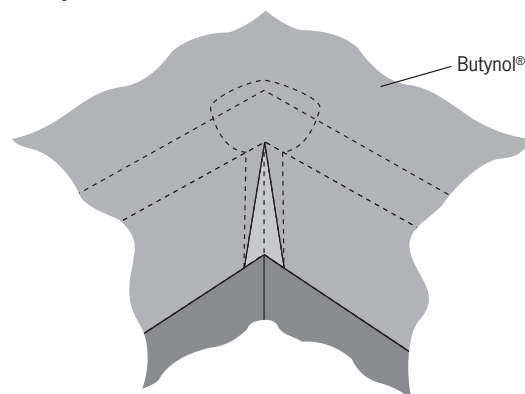
#### STEP 2

Run Seam Tape along all four vertical sides of Rainhead.



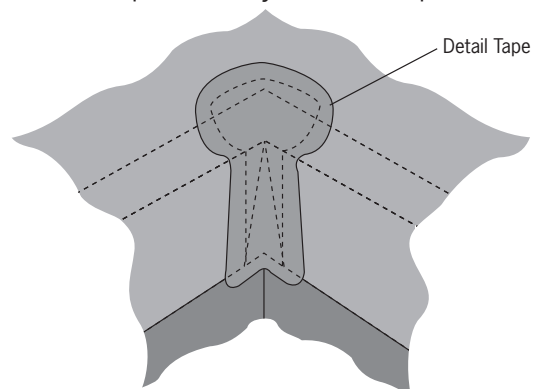
#### STEP 3

Cut Butynol® sheet to fit into corners.



#### STEP 4

Cover corner point with layer of detail tape.

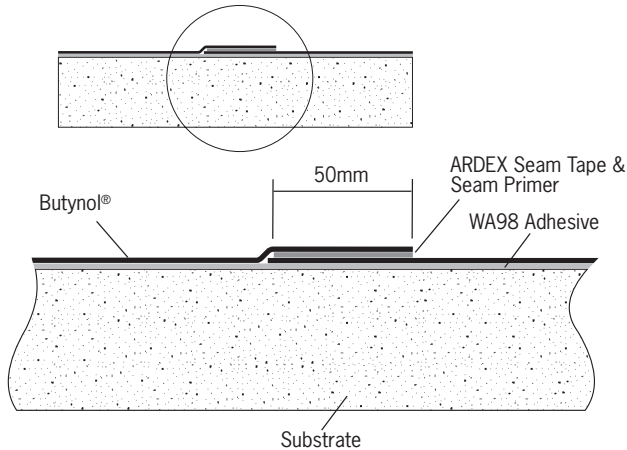


# ARDEX Butynol®

## Installation

### BONDING THE LAPS

Seam tape and seam primer must be used for all Butynol® joints.

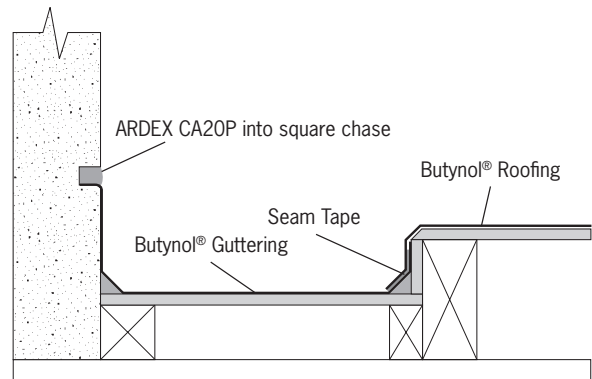


1. The top lap is positioned and the bottom sheet marked to indicate the edge of the top sheet.
2. The top sheet is folded back.
3. The ARDEX Seam Primer is then applied to the Butynol® in the area marked on the bottom sheet and 50mm in from the edge on the top sheet. The ARDEX Seam Primer is applied to the mating surfaces using a synthetic scrubbing pad. Scrubbing pads should be replaced as they become dirty. Allow the primer to become 'touch dry'.
4. Position and unroll the 50mm ARDEX Seam Tape along the seam. The edge of the seam tape should be aligned to the mark on the bottom membrane sheet. The see-through backing film makes this very simple.
5. Roll the length of the seam with backing film still in place.
6. Remove the backing film from the ARDEX Seam Tape by pulling at a 45° angle away from the seam. Keep the backing film low to the roof surface as it is removed.
7. Fold into place the primed edge of the top sheet.
8. Roll the completed seam.

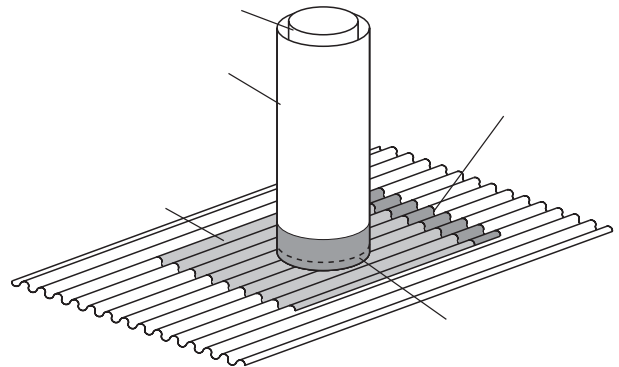
### FORMING LAPS FOR GUTTERS

Laps are most important in gutter work and should be formed using ARDEX seam tape and seam primer.

All internal boxed gutters can be easily formed to any shape or size using Butynol® over any specified substrate.



### FLUE FLASHING



#### Step 1

Measure Butynol® to suit size of pipe. Cut a smooth round hole at least 20mm smaller than diameter at flue penetration. Refer to table 21 of E2/AS1.

#### Step 2

Fix Butynol® Flashing onto roofing with WA 98 adhesive ensuring membrane is relaxed into roofing profile.

#### Step 3

Apply collar of Detail Tape sealed with Seam Primer onto 20mm Butynol® upstand.

#### Step 4

Apply flashing strip of Detail Tape sealed with Seam Primer onto Butynol® top edge and roofing ensuring feather edge is on the upside.