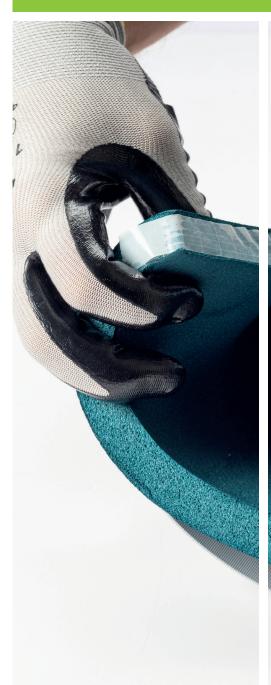
INSTALL IT. TRUST IT.

ArmaFlex® Ultima ACR Know-How

Key Installation Points

www.armacell.com/energy



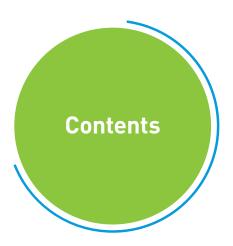












04

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Introduction to Armaflex Ultima ACR tubes

ArmaFlex Ultima is a blue colour closed cell flexible elastomeric foam, based on a patented synthetic rubber with unique fire reaction properties and minimal smoke emission suitable for industrial installations and high-risk areas.

ArmaFlex Ultima ACR is a combined product of ArmaFlex Ultima tubes with Arma-Chek R covering. Arma-Chek R is a flexible elastomeric outer covering system developed for offshore and industrial installations. The service temperature range limits of ArmaFlex Ultima ACR is from -50°C to +110°C.

The Arma-Chek R is resistant to UV, salt water, and chemicals with a built-in water vapour barrier. The ArmaFlex Ultima ACR tubes are 1.4 meters in length with self-adhesive strips used to seal the longitudinal seam of the ArmaFlex Ultima insulation tube and to fix the longitudinal seams of the Arma-Chek R covering.

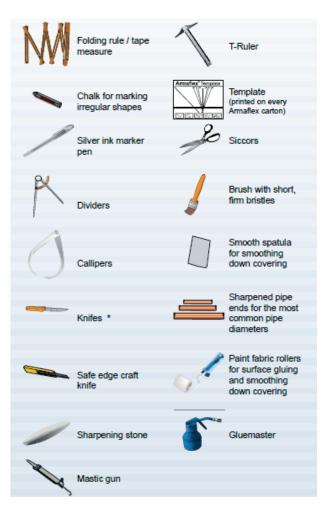
Working with Armaflex Ultima ACR Pre-covered Tubes

- The material should be stored internally in clean, dry conditions. The relative humidity levels should not exceed 70% during storage, with a maximum storage temperature of 40°C and a minimum storage temperature of 0°C.
- ArmaFlex 520 Adhesive to be used within ambient temperature range of +5°C and above and during relative humidity levels to a maximum of 80%.
- Self-adhesive strips to be applied within ambient temperature range of +10°C to +40°C and during relative humidity levels up to a maximum of 70%.
- The installer should have good general application knowledge of ArmaFlex tube & sheet products.
- Use high quality tools. A sharp knife, good quality brushes, and fresh ArmaFlex 520 Adhesive, Arma-Chek Mastic and ArmaFlex Cleaner.
- Use clean materials. No dust, dirt, oil, or water should be present on the surface.
- Use correct dimensioned materials.
- All seams and joint details shall be installed in a water-shed fashion to allow water to run away.
- Never pull glued joints when sealing. When using pre-covered tubes always push joints together and fit under compression.
- Never insulate pipe work systems that are operational.
- Only start insulated pipe systems after 36 hours. After this time the ArmaFlex 520 Adhesive will be fully cured.
- Allow 12 hours for ArmaFlex 520 Adhesive to dry before applying Arma-Chek Mastic.
- Clean all Arma-Chek R overlapping seams and joints with ArmaFlex Cleaner using a clean white cloth before applying Arma-Chek Mastic.
- Remove unwanted ArmaFlex 520 Adhesive from the Arma-Chek R surfaces with ArmaFlex Cleaner and a clean white cloth before applying Arma-Chek Mastic.
- Allow 10 minutes for solvents to evaporate after cleaning seam and joint details with ArmaFlex Cleaner before applying Arma-Chek Mastic.
- Apply Arma-Chek mastic within 3 days after applying ArmaFlex Ultima ACR pre covered tubes.
- Avoid installation in high humidity conditions or wet conditions. Tent or weather protect location where necessary.

Health and Safety

- When using Armacell Adhesives and Arma-Chek Mastic, the manufacturers safety data sheets recommendations shall be strictly followed.
- ArmaFlex Ultima tubes / Arma-Chek R, ArmaFlex Ultima ACR pre-covered tubes are easily cut with a sharp craft knives and other applicable tools. Knives should be handled with care.

Tools for installation



- Folding rule / tape measure
- Silver ink marker pen
- Dividers
- Callipers
- Knives
- Safe edge craft knife
- Sharpening stone
- Mastic gun
- T ruler
- ArmaFlex template / Mitre block
- Scissors
- Pipe hole cutters
- Glue Master
- Brushes

Preparation

- Pipe surface must be clean, dry, and free from contamination or damage.
- Armacell recommended application temperature and conditions must be observed.



 Protect the insulation from rain and direct sunlight during installation and storage.

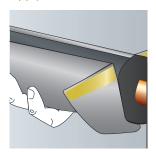
Adhesive

• ArmaFlex 520 Adhesive is used to wet seal ArmaFlex Ultima "butt joints" and all seams and joints of ArmaFlex Ultima where uncovered materials are used, Arma-Chek R overlaps on "butt end" terminations belonging to the pre covered tube product and on all overlaps where applicable when applying separately over the top of the ArmaFlex Ultima tube material.



Installating Straight Piping

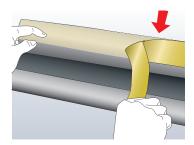
• Apply ArmaFlex Ultima ACR tubes to pipe.



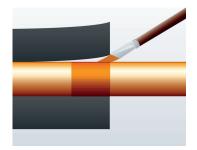
• Peel back ArmaFlex Ultima ACR tube self-adhesive release paper strips from longitudinal seam step by step 200mm at a time and apply with firm even pressure to complete the seam closure.



Note: Always check seam is fully bonded before moving into next steps.

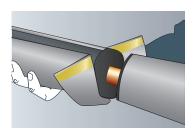


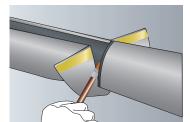
• Once in position wet seal with ArmaFlex Adhesive the end termination of the ArmaFlex Ultima ACR tube (without the 50mm Arma-Chek R overlap) to the piping surface.



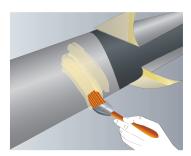
• Apply a second tube of ArmaFlex Ultima ACR following steps 1 to 3 ensuring the uncovered 10mm end of the tube faces the 50mm overlap end of the second tube.

• The butt joint between the two tubes is tight butted together under compression. Wet seal the butt joint using ArmaFlex 520 Adhesive.

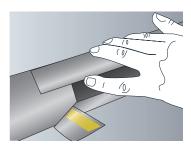




• Apply ArmaFlex 520 Adhesive x 50mm wide to the outer surface of the Arma-Chek R covering located on the adjoining tube end and the opposite 50mm termination end overlap.

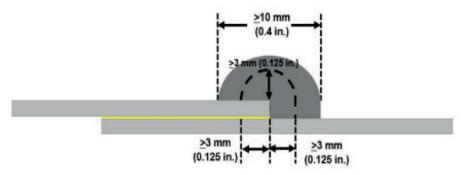


• Wrap the Arma-Chek R covering tightly around the ArmaFlex Ultima ACR tube, peel back the self-adhesive release paper from the 50mm longitudinal Arma-Chek R overlap and fix in position.



When installation of ArmaFlex Ultima ACR tube is completed, allow 12 hours for ArmaFlex 520 Adhesive to dry, clean away excess adhesive using ArmaFlex Cleaner and a clean white cloth - allow 10 minutes for the solvents to evaporate - then apply Arma-Chek Mastic to all seams and joints. The mastic bead should be a minimum of 10mm wide and 3mm thick.

Fabrication and Installation of Insulation for Bends, Tees and other fittings

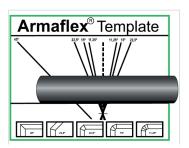


- It is generally more efficient when insulating bends, tees, and other fittings to use plain uncovered ArmaFlex Ultima tubes with the Arma-Chek R covering fabricated and installed separately.
- A full range of prefabricated ArmaFlex Ultima tube fittings, bends and tee pieces are available on request. Contact your local Armacell supplier for details.
- It Is recommended that ArmaFlex Ultima fittings are installed first onto the pipe, then connect and apply the straight pre-covered ArmaFlex Ultima ACR tube sections.
- The connecting pre-covered insulation parts without overlaps at termination ends are installed onto the pipe. 75mm wide bandages fabricated from the Arma-Chek R covering can be installed around the connecting "butt joints". The bandages shall have a minimum of 50mm overlap included.
- The bandages are secured with ArmaFlex 520 Adhesive and appropriate seams and joints over-sealed with the Arma-Chek Mastic.

Installing ArmaFlex Ultima Tubes on Bends

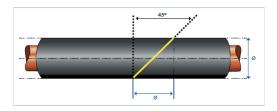
• Bends are insulated with uncovered ArmaFlex Ultima tubes. The type of insulation fitting cover to be fabricated and installed on the pipe fitting depends on pipe diameter and radius of pipe bend.

Below four methods for insulating bends with different numbers of centre segments are shown. These bends can simply be fabricated on the job site using an ArmaFlex template shown below or alternatively by using prefabricated ArmaFlex Ultima tube fittings.



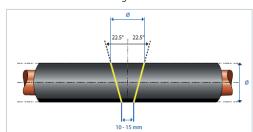


90° elbow



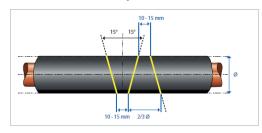


1+2 90° segmented bend





2+2 90° segmented bend





3+2 90° segmented bend

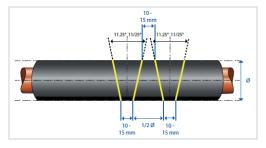
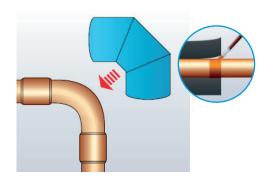


Table 1. below indicates the required number of segments for the fabrication of
the appropriate type of fitting.

Pipe size NB (in)	Pipe size OD (mm)	Number of segments	
0.5	21.3	1 Centre segment or Elbow	
0.75	26.7	1 Centre segment or Elbow	
1	33.4	1 Centre segment or Elbow	
1.25	42.2	2 Centre segments	
1.5	48.3	2 Centre segments	
2	60.3	2 Centre segments	
2.5	73	3 Centre segments	
3	89.9	3 Centre segments	

The example shown below is for one centre segmented bend.

• Apply ArmaFlex Adhesive to ArmaFlex Ultima segmented bend, allow adhesive to tack dry, once tack dry apply the segmented bend to the pipe bend. Once the segmented bend is fixed in position on the pipe apply additional ArmaFlex Adhesive to fix the two ends of the insulated bend to the piping surface.



 Apply two straight lengths of ArmaFlex Ultima ACR tubes to connect the ArmaFlex Ultima segmented bend. The conecting "butt joints" must be fitted with a minimum of 10mm compression and then wet sealed using ArmaFlex Adhesive.

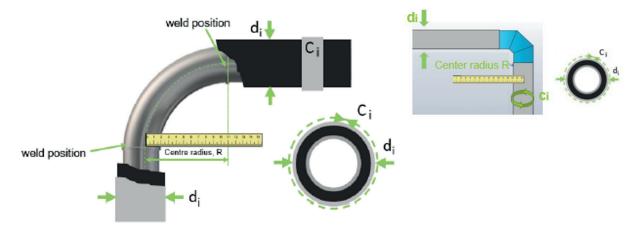


Once steps 1 and 2 above are completed the process of development and installing of the Arma-Chek R segmented bend can commence.

Development of Arma-Chek R Segmented bend

To develop a segmented bend take the following 3 measurments are required.

• Measure the centre radius of bend R, the distance from the centre of pipe to the weld = R.



- Measure the circumference of the pipe using a strip of Arma-Chek R the same thickness to be installed = Ci.
- Measure the outer diameter of insulated pipe and add 2 x Arma-Chek R thickness = di.

Consult table below to determine the quantity of segments required. In addition to the segments, 1 starter piece and 1 finisher piece are required.

Pipe size NB (in)	Pipe OD (mm)	Centre radius (mm)	Number of Segments	L1 (mm) = 100(N+1)
0.5	21.3	26	1 or Elbow	200
0.75	26.7	28.5	1 or Elbow	200
1	33.4	38	1 or Elbow	200
1.25	42.2	47.5	2	300
1.5	48.3	57	2	300
2	60.3	76	2	300
2.5	73	95	3	400
3	88.9	114	3	400

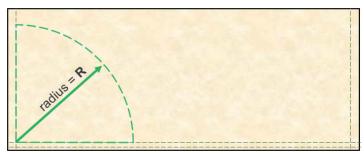
$L_1 = (1 + quantity of segments) x 100mm (4in.)$



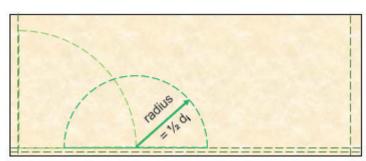
Draw two horizontal lines 10mm apart, and two vertical lines distance L1 apart. Find dimension L1 from the segment table



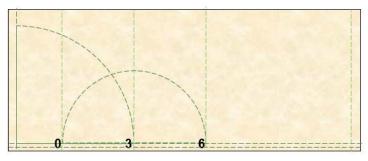
10mm



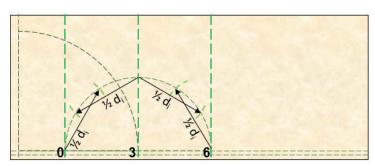
Draw an arc of radius = R from the intersection of the lefthand vertical line and the upper horizontal line



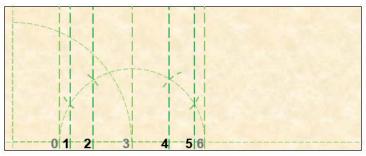
Draw a second arc of radius = $\frac{1}{2}$ di from the intersection of the first curve and the upper line



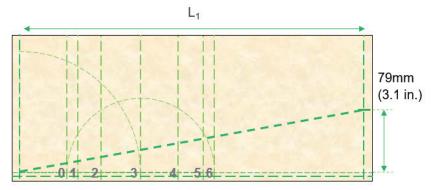
Draw 3 vertical lines from the intersection of curves with the base line. (Label the lines 0, 3, 6)



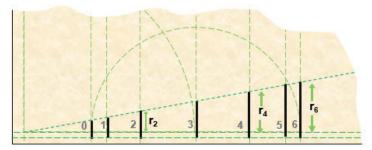
Draw 4 arcs of radius = $\frac{1}{2}$ di from the intersection of vertical lines with the second curve, to intersect the second curve



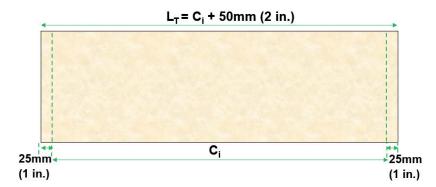
Draw 4 more vertical lines through the intersections of arcs with the second curve. (Label these vertical lines 1, 2, 4, 5)



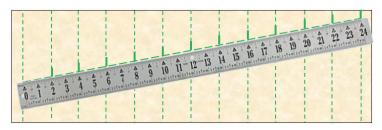
Mark a 79mm (3,1") up in the right-hand side vertical line from the upper horizontal line and then join the marks to the intersection of the upper horizontal line and the lefthand vertical line



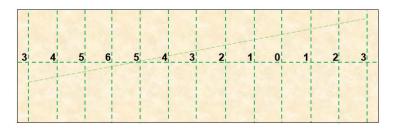
Mark the length r1 to r6 of the vertical lines between the diagonal line and the bottom horizontal line. These lengths r0 to r6 will need to be transferred to a new template



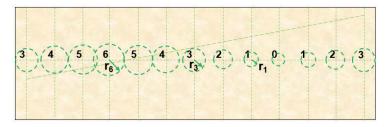
Use a new template and mark out L1 to equal the circumference Ci + 50mm (2"). Mark a vertical line 25mm (1") in from each side



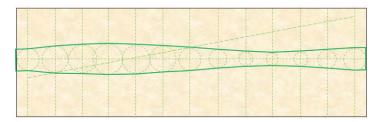
Draw a diagonal line of any length divisible by 12 and mark the line into 12 parts. Use these marks to draw vertical lines



Draw a horizontal line in the centre and number intersections as shown



Draw circles using the lengths r0 to r6 from the previous template as the radii of circles. Centre the circles on the intersections of the horizontal line with the numbered vertical lines

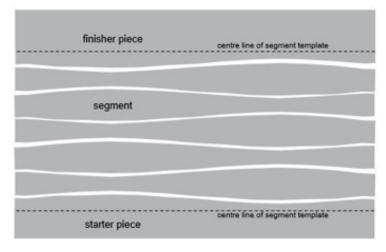


Draw smooth lines to join the circles



Cut out 90° segmented bend template.

Template is now completed



Mark around 90° segmented bend template and cut out

The fabrication of the Arma-Chek R segmented bend is now completed. The process of installation can begin.

When applying Arma-Chek R segments, circumference shall be overlapped by a minimum of 50mm. Always ensure that the overlaps are positioned to shed water so that an upper segment always overlaps/fits over a lower segment.

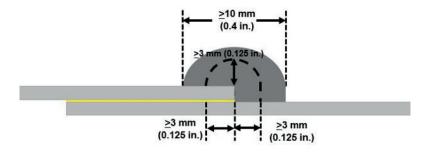
Each segment shall overlap the previous piece by > 10 mm. All seams are secured using ArmaFlex 520 Adhesive.

Installation Method of Arma-Chek R segments



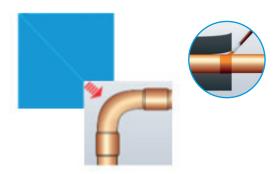
When installation of Arma-Chek R bend is completed, clean away excess adhesive using ArmaFlex Cleaner with a clean white cloth. Apply Arma-Chek Mastic to all seams and joints allowing for 12 hours waiting time.

The mastic bead shall be a minimum of 10mm wide x 3mm thick.

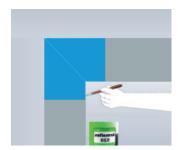


Installing ArmaFlex Ultima tubes on 90° elbow

• Apply ArmaFlex Adhesive to ArmaFlex Ultima 90° elbow, allow adhesive to tack dry, once tack dry apply the 90° elbow to the pipe bend. Once the 90° elbow is fixed in position on pipe apply additional ArmaFlex Adhesive to fix the two ends of the insulated bend to the piping surface.



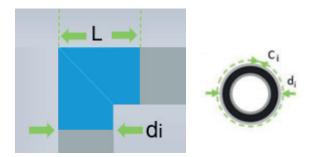
• Apply two straight lengths of ArmaFlex Ultima ACR tubes to conect the ArmaFlex Ultima 90° elbow. The conecting "butt joints" must be fitted with a minimum of 10mm compression and then wet sealed using ArmaFlex Adhesive.



• When step 1 and 2 are completed, fabrication and installation of a Arma-Chek R 90° elbow can begin.

Development of Arma-Chek 90° Elbow Bend

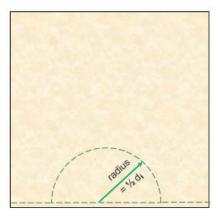
• To develop a 90° elbow take the following 3 measurments are required.



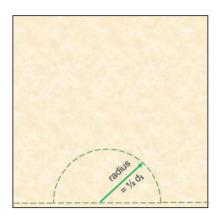
Measure the circumference of the Insulated pipe using a strip of Arma-Chek R the same thickness to be installed = Ci.

Measure the outer diameter of insulated pipe and add 2 x Arma-Chek R thickness = di.

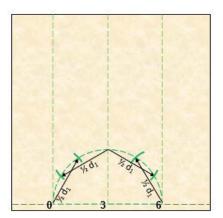
Measure leg length = L



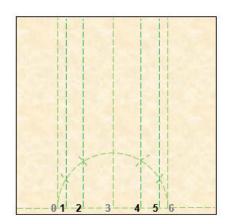
Draw a horizontal line and a semi-circular arc of radius = $\frac{1}{2}$



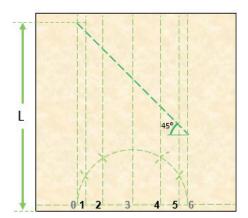
Draw 3 vertical lines from the intersection of curves with the base line. Label these 0, 3, 6



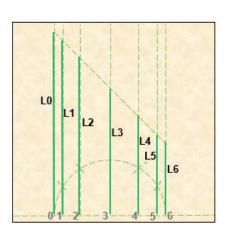
Draw 4 arcs of radius = 1/2 di from the intersection of the vertical lines with the second curve, to intersect with the second curve



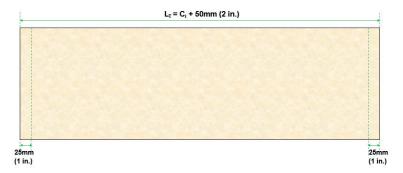
Draw 4 more vertical lines through the intersection of the arcs with the second curve, label these vertical lines 1, 2, 4, 5



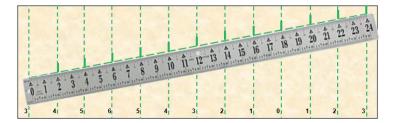
Mark and measure the length of the vertical lines between the diagonal line and the vertical base line. Label these vertical lines L1, L2, L3 L4, L5, L6



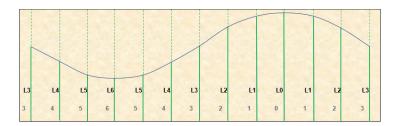
Mark and measure the length of the vertical lines between the diagonal line and the vertical base line. Label these vertical lines L1, L2, L3 L4, L5, L6



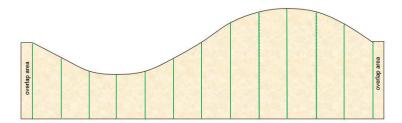
Use a new template of length Li equal to the circumference Ci + 50mm (2"). Mark a vertical line 25mm (1") in from each side



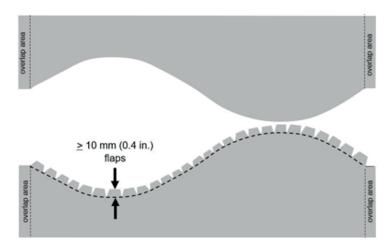
Draw a diagonal line of any length divisible by 12 and mark the line into 12 parts. Use these marks to draw vertical lines. (number as shown)



Mark in the lengths L0 TO L6 as previously measured, with LO at position 0, L1 at position 1, etc. Join the tops of the lines with a smooth curve



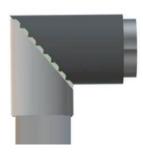
Cut along the curve and extend horizontal cuts to allow for overlap. Template is now completed



Mark around 90° elbow template and cut out

The fabrication of the Arma-Chek R 90° bend is now completed. The process of installation can begin.

When applying Arma-Chek R parts, circumference shall be overlapped by a minimum of 50 mm. Always ensure that the overlaps are positioned to shed water so that an upper segment always overlaps/fits over a lower segment. Each part shall overlap the previous piece by > 10 mm. All seams are secured using ArmaFlex 520 Adhesive.



Apply the first lower part with feathering positioned to be under second part

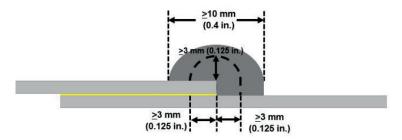


Ensure that second part will be overlapping the featherings of the first so that it will shed water



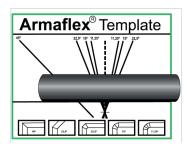
When installation of Arma-Chek R bend is completed, clean away excess Adhesive using ArmaFlex Cleaner with a clean white cloth. Apply Arma-Chek Mastic to all seams and joints allowing for 12 hours waiting time.

The mastic bead shall be a minimum of 10mm wide x 3mm thick.

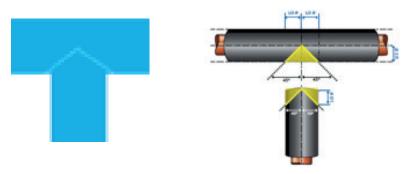


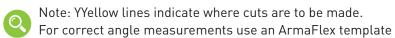
Installing ArmaFlex Ultima Tubes on Tee fittings

• T-pieces are insulated with ArmaFlex Ultima tubes, the type of insulation fitting used depends on pipe diameter. The pictures below show two methods for insulating tee pieces. These tee pieces can simply be manufactured on the job site using an ArmaFlex template shown below or alternatively by using prefabricated ArmaFlex Ultima tube fittings

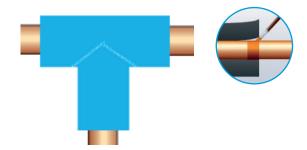


Method 1. Equal Tee piece





- Cut 2 x 45° angles at the end of the tube using the ArmaFlex template.
- Cut a 90° wedge into the tube covering the primary pipe. This should correspond to the outer diameter of the branching tube.
- Join the pre-cut parts with ArmaFlex Adhesive to form an equal tee piece.



Apply ArmaFlex Adhesive to ArmaFlex Ultima Equal tee piece seam, allow
adhesive to tack dry, once tack dry apply to the equal tee piece. Once the equal
tee piece is fixed in position on pipe, apply additional ArmaFlex Adhesive to fix
the three ends of the insulated equal tee piece to the piping surface.

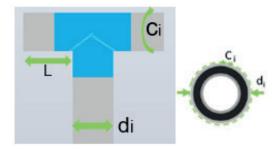


 Apply three straight lengths of ArmaFlex Ultima ACR tubes to conect the ArmaFlex Ultima 90° elbow. The conecting butt joints must be fitted with a minimum of 10mm compression and then wet sealed using ArmaFlex Adhesive.

Once completed the process of step 1 to 5 are completed fabrication of a Arma-Chek R 90° elbow can begin.

Development of Arma-Chek R Equal Tee Piece

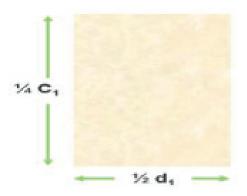
• To develop a equal tee piece, take the following 3 measurments.



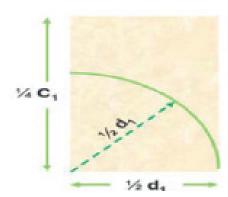
Measure the circumference of the insulated pipe using a strip of Arma-Chek R the same thickness to be installed = Ci.

Measure the outer diameter of insulated pipe and add $2\ x$ Arma-Chek R thickness = di.

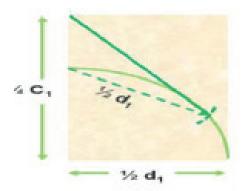
Measure leg length = L.



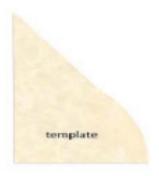
Cut a rectangular template, length = $\frac{1}{4}$ C. Height = $\frac{1}{2}$ d1



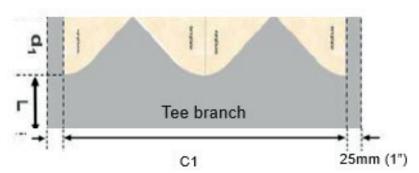
Draw an arc, radius = $\frac{1}{2}$ d1



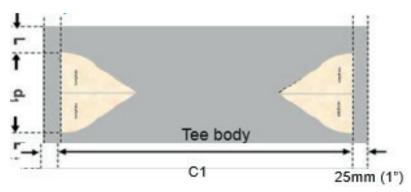
Mark in a line from the top left-hand vertical line to where it meets ½ d1 radius



Template is now completed



From points d1 and C1 flip template 4 times and mark around and cut out tee piece branch

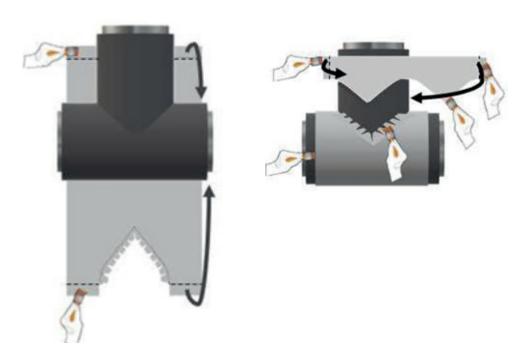


From centre point on d1 flip the template 2 times and mark around and repeat the process at the opposite end of C1 and cut out tee piece body

Fabrication of pieces competed.

When applying Arma-Chek R, circumference overlap shall be overlapped by a minimum of 50mm. Always ensure that the overlaps are positioned to shed water so that an upper segment always overlaps/fits over a lower segment.

Each part shall overlap the previous piece by > 10 mm. All seams are secured using ArmaFlex 520 Adhesive.



Method 2. Punch hole unequal tee



• Punch a hole in the tube with a sharpened copper section of copper pipe the right diameter to form the cross bar of the unequal tee.



• Slit this section of the tube open from the longitudinal seam and the punched hole.



- Apply Armaflex Adhesive to longitudinal seam allow to tack dry and fix in position. Once the unequal tee piece is fixed in position on pipe apply additional ArmaFlex Adhesive to fix the ends of the insulated unequal tee piece to the piping surface as well as the punched hole.
- Cut a semi circular recess in the end of a tube to form the tee branch.



• Apply ArmaFlex 520 Adhesive allow to tack dry and fix in position. Once in position, apply additional ArmaFlex 520 Adhesive to fix the end of the tee branch and the cross bar to the piping surface.



To complete process - apply three straight pieces of ArmaFlex Ultima ACR tubes to conect the ArmaFlex unequal tee. The conecting butt joints must be fitted with a minimum of 10mm compression and then wet sealed using ArmaFlex 520 Adhesive.

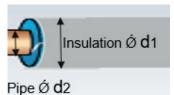
Cap End Terminations

Where ArmaFlex Ultima ACR tube terminates at valves and flanges etc, exposed ends need to be over-covered with Arma-Chek R cap end covers.

• Apply ArmaFlex 520 Adhesive to fix the end termination down to the pipe surface.



 Determine the insulation outer diameter d1 and the piping diameter d2.





• Transfer measurements onto the Arma-Chek R. Mark and cut out the end cap. The cap end can be made in 1 or 2 pieces depending on type of application. If a 2 piece is required, allow an additional overlap of 50mm to one side.



 Apply ArmaFlex 520 Adhesive to the ArmaFlex Ultima ACR end termination and the Arma-Chek R end cap, allow to tack dry and fix in position. Apply beads of Arma-Chek Mastic around seams and joints on the inner and outer diameter of the cap end fitting cover allowing for 12 hours waiting time.



Valves and Flanges

When valves and flanges require insulating there are two typical methods that can be applied, non-removable and removable. The below recommendation can be followed when insulating valves and flanges.

- Valve and flanges are insulated at the end of the installation process.
- Valve and flange surface must be clean, dry, and free from contamination or damage.
- When valves and flanges require insulating the correct insulation thickness shall be installed.
- Insulation for non-removable enclosure shall follow the shape and contours of the valve or flange.
- For cold applications, all annular spaces within the valve and flange shall be built up with insulation off cuts to avoid air voids within the insulation system.
- Valve and flange insulation shall overlap the piping insulation by a minimum of a 100mm or as indicated by the Project Engineer.

Non-removable enclosure: ArmaFlex Ultima + Arma-Chek R

For non-removable enclosures, the valve or flange shall be insulated using ArmaFlex Ultima sheet or tube material depending on pipe size and then with Arma-Chek R covering. This will be a two-step installation procedure

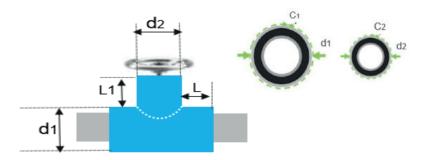
• Appy ArmaFlex Ultima tube or sheet to the valve or flange body. Apply ArmaFlex Adhesive, allow adhesive to tack dry and fix in position



 Appy ArmaFlex Ultima tube or sheet to the valve handle spindle. Apply ArmaFlex Adhesive, allow adhesive to tack dry and fix in position. Once in position wet seal all seams with ArmaFlex Adhesive.



• Take measurements of the circumference, length and diameters of valve or flange body and handle spindle.



For the fabrication of Arma-Chek R to valve and flanges, follow the processes shown for development of equal and unequal tees pieces and cap ends.

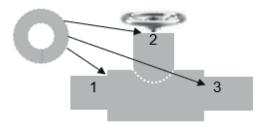
• Apply ArmaFlex Adhesive to Arma-Chek R valve or flange body overlap, allow to tack dry and fix in position.



 Apply ArmaFlex 520 Adhesive to Arma-Chek R valve handle spindle overlap, allow to tack dry and fix in position.

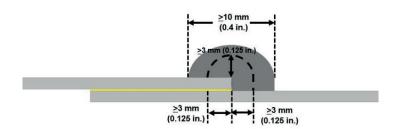


• Apply ArmaFlex 520 Adhesive to Arma-Chek R to the three cap ends, allow to tack dry and fix in position.



• When installation of valve or flange is completed, clean away excess adhesive using ArmaFlex Cleaner and a clean white cloth. Allow 10 minutes for Armaflex Cleaner solvent to evaporate away. Apply Arma-Chek Mastic to all seams allowing for 12 hours waiting time. The mastic bead should be a minimum of 10mm wide and 3mm thick.



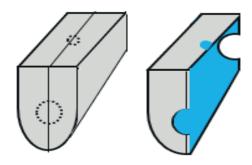


Removable enclosure: ArmaFlex Ultima **Sheet - pre-lined metal box enclosures**

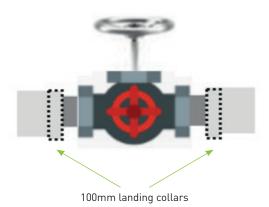
If removable valve or flange enclosers are required, a typical box enclosure can be fabricated using sheet metal. Alternatively, removable flexible insulation jackets can be used.

• ArmaFlex Ultima sheet the same thickness as applied to the pipe is cut to fit the inner dimensions of the enclosure. The ArmaFlex Ultima sheet parts are cut with an additional 5mm sizing to allow the material to be fitted under compression.

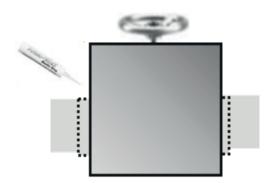
All insulation parts are secured with ArmaFlex 520 Adhesive with all seams and joints wet sealed.



• Before installing the valve or flange enclosure, it is recommended that a sheet metal 100mm wide landing collar is applied to the ArmaFlex Ultima ACR either side of the valve or flange.



 Vapour seal all seams and connecting parts of the enclosure using an appropriate metal jacketing silicone sealant.

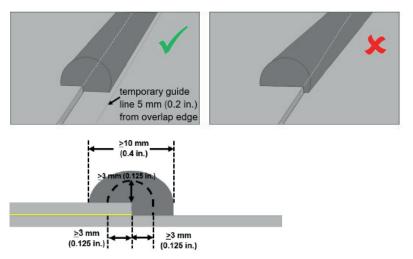


Arma-Chek Mastic Sealant

Arma-Chek Mastic sealant shall be applied a minimum of 10mm wide 3mm thick. The centre of the bead shall be a minimum of 3mm from the overlap edge. The surface onto which the bead is applied shall be clean and dry.

Use Arma-Chek Mastic to seal around pipe terminations next to valves and flanges, pipe penetrations, steelwork, connections, hangers, pipe supports, trace heating cable and all other areas that require sealing against water ingression or water vapour transmission. (All Arma-Chek R overlapping seams and joints)

The position of the bead is important for system integrity, the use of masking tape or mark lines can assist in ensuring the bead is applied centrally on the joint.

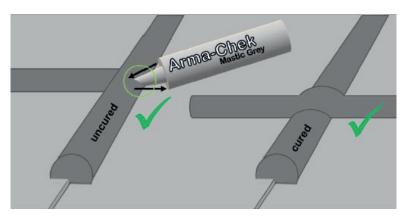


Arma-Chek Mastic bead position

Intersections with uncured mastic shall be dealt with starting and terminating the bead by pressing the nozzle into the previously applied bead.

If the intersection is with a cured mastic bead, then the crossing bead may be applied over the existing bead.

There shall be no gaps or discontinuities between intersecting mastic beads or between the mastic and Arma-Chek R.



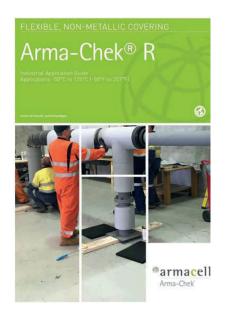
Beads of Arma-Chek Mastic shall be finished to a smooth, even finish, using a mastic tool or finger. Mastic should not be thinned out during tooling for the smooth even finish.

The finish of the Arma-Chek Mastic can be enhanced by masking off 5mm either side of the seams and joints prior to the application of Arma-Chek Mastic. Remove the masking tape while the Arma-Chek Mastic is in a wet state.

Water mixed with a few drops of mild domestic washing up liquid can be added to clear water to enhance the surface appearance of the mastic sealants finish.

When smoothing the bead of mastic, do not reduce the bead size & thickness. Avoid thinning the edge of the mastic bead.

Additional Learning Guides (reference)





ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,135 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next Generation aerogel blanket technology.

