

APPLICATION WORKFLOW

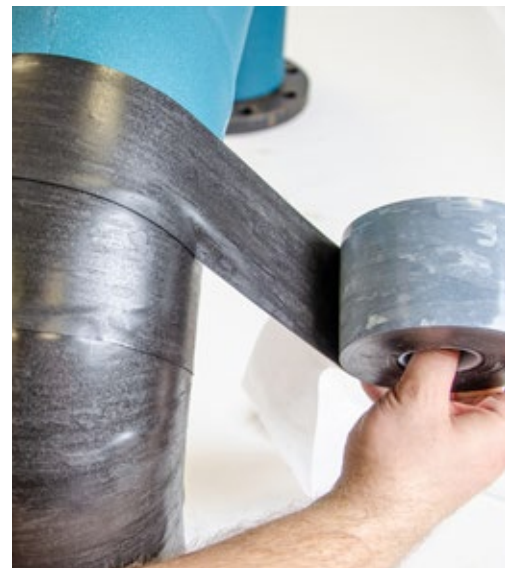
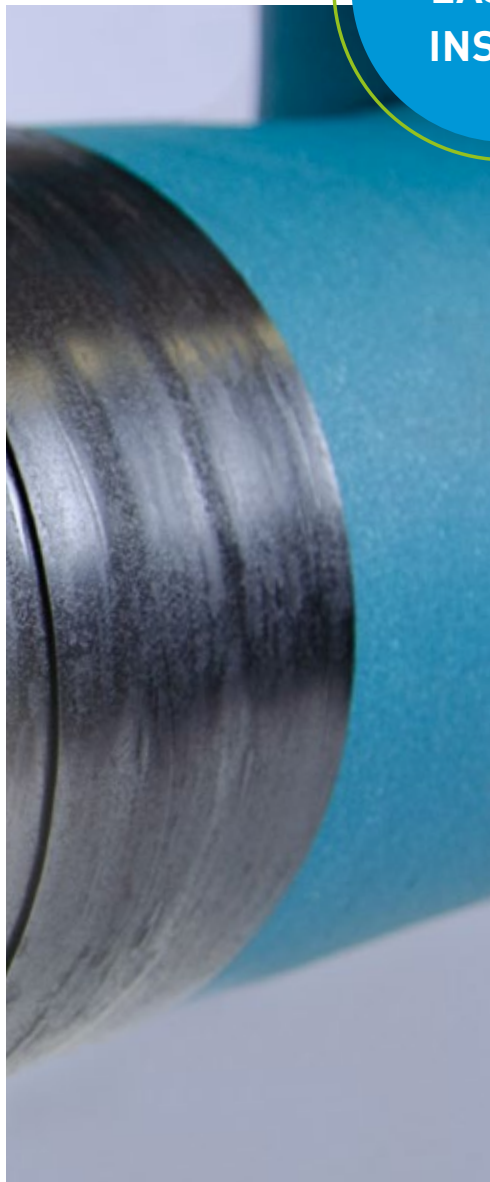
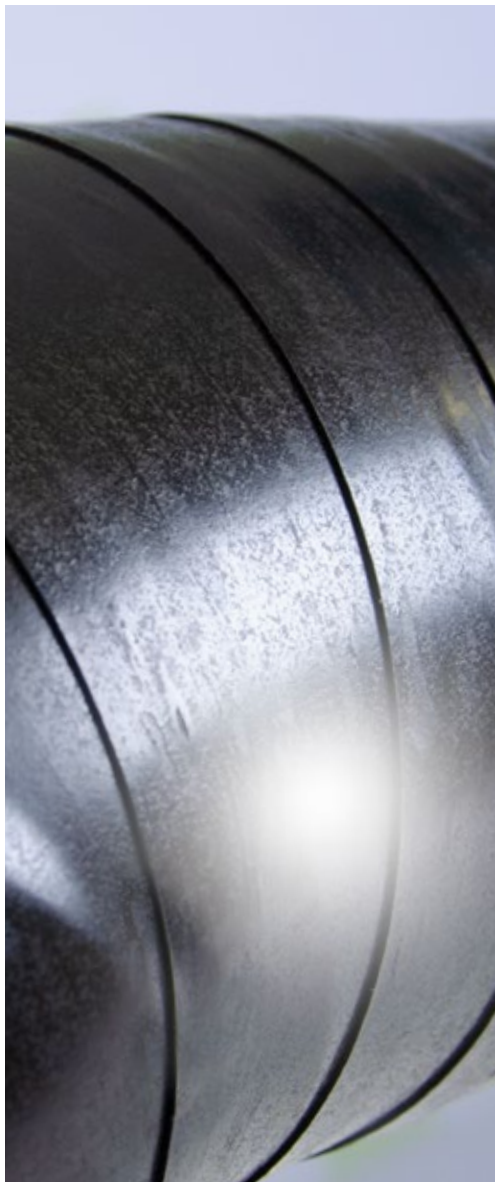
ArmaClad™ Arma-Chek® Wrap

ArmaClad Arma-Chek Wrap is a high-performance insulation covering material that offers excellent protection against UV and mechanical impacts. Suitable for use in various applications, including HVAC, industrial piping, and refrigeration systems, it features a self-welding capability, ensuring a tight and seamless finish, giving superior insulation performance.

www.armacell.com



QUICK AND
EASY TO
INSTALL



 **armacell**[®]
ArmaClad™

WORKING WITH

ArmaClad Arma-Chek Wrap



QUICK AND
EASY TO INSTALL



HIGH MECHANICAL
RESISTANCE



SPACE-SAVING



INDOOR AND OUTDOOR
APPLICATIONS



SUSTAINABLE

Claddings have come a long way from rigid jackets to flexible coverings. With our Arma-Chek Wrap product, protecting technical insulation from mechanical impact and weathering has now become even easier and faster.

TOOLS

- // Measuring Tape
- // Craft Knife
- // Set Square
- // Divider
- // Caliper
- // Mastic Gun

**Arma-Chek Wrap product
width (mm):**

70, 250, 500, 750, 1050

The product comes in rolls of various lengths and widths, making it easy to cut to size. When working with our Arma-Chek Wrap product,, ensure that the surface is clean and free from any debris or contaminants.

Do not apply our Arma-Chek Wrap product <0°C or >+40°C.

Do not install our Arma-Chek Wrap product if weather conditions are unsuitable (e.g., rain, condensing fog, snowfall, etc.), unless you have an enclosure / tenting.



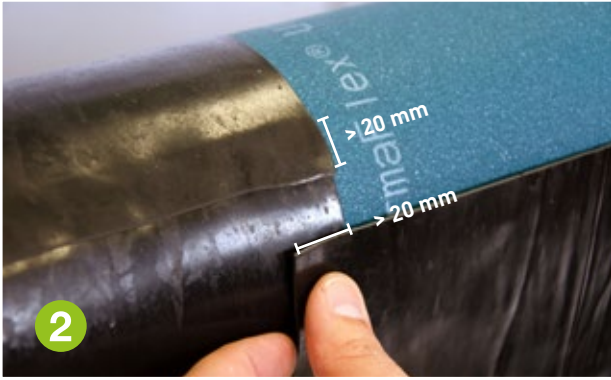
Sustainable solution:

Arma-Chek Wrap product is 100 % recyclable and free of halogens, silicone and solvents.

STRAIGHT CUT



Measure the length and circumference of the pipe that needs to be covered with our Arma-Chek Wrap product. **Add a minimum 20mm overlap to circumference.**



Min. 20mm overlap should be given longitudinally and circumferentially. **Always apply pressure to the overlaps.**

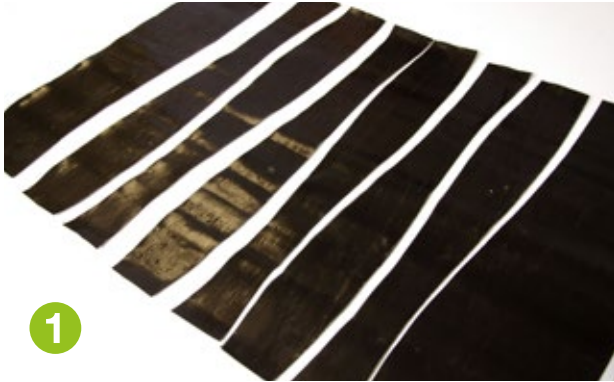


Always stagger the longitudinal overlaps and position them to the side with the seams downward facing to provide watershed.

Installed product



ELBOW FISHTAIL PATTERN



1

Fabricate the appropriate fishtail pattern. Add a 20mm longitudinal and circumferential overlap to all segments.



2

Start the installation of our Arma-Chek Wrap product by applying the starter segment. Fix and secure in the same way as the straight sections.



3

Apply the remaining centre segments. Each segment should overlap around the circumferential edges by a minimum of 20mm.



4

To complete the fitting, apply the final finishing segment.

Installed product



ELBOW WRAPPING



If the diameter of the bend is $>90\text{mm}$, the wrapping method can be applied. Use our Arma-Chek Wrap product with 70mm width and begin the wrapping process at one end of the bend and work your way towards the other end.



Wrap the self-welding covering material around the insulated pipe, ensuring that each new layer overlaps the previous one by a minimum 20mm.



Apply moderate tension to the self-welding covering material as you wrap it around the pipe. This helps ensure a secure and uniform application.

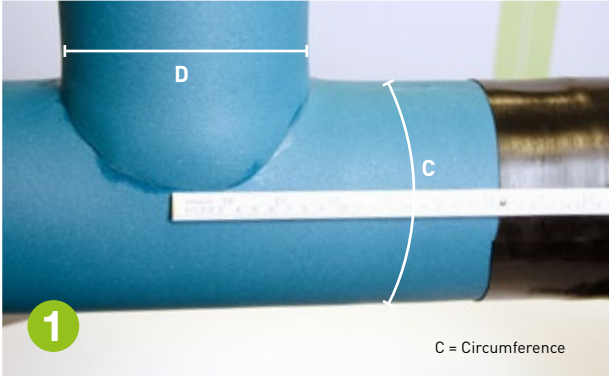


Repeat the wrapping process, maintaining the overlap and tension, until you reach the opposite end of the bend.

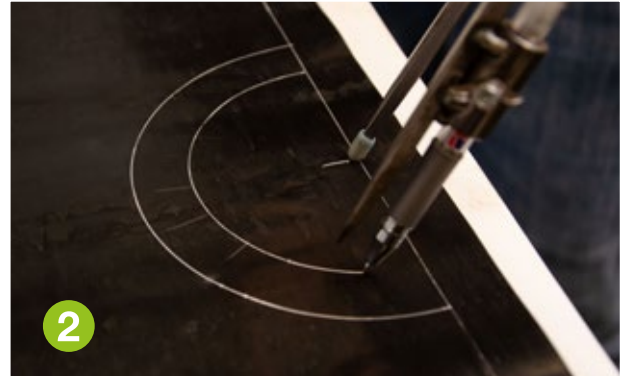


Product caveat

T-PIECE



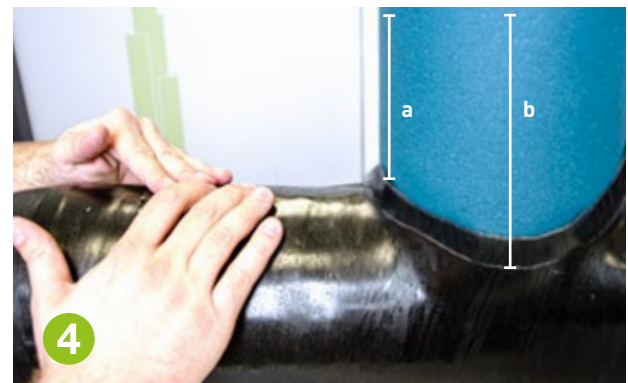
For the main body part of tee, proceed as a straight pipe covering. The diameter of the tee (as two semi-circles) to be drawn onto the body-part template as described in the next image.



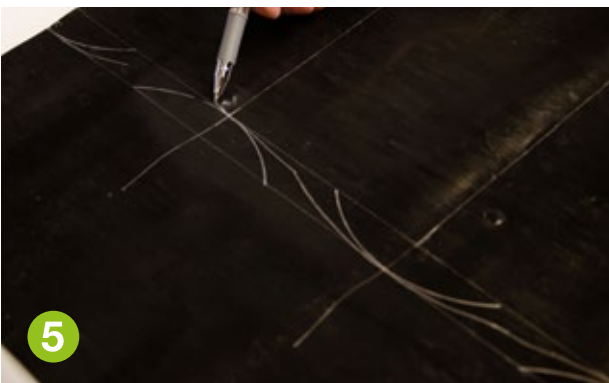
Draw a semi-circle (diameter D as in the previous image) on the one end of the prepared body-part template. Draw a smaller semi-circle with 20mm distance and cut the inner semi-circle out. Repeat this step for the other end of the body-part template.



Position our Arma-Chek Wrap product and fix it to the insulation surface.



Apply even pressure to all the overlap seams and joints. Ensure all overlaps are fully secured down without any gaps.

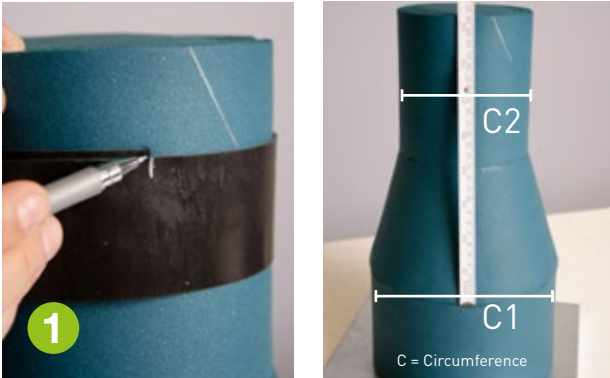


Use the lengths a & b from the previous image to create the size and shape of the required part and make cut outs for the connection part.

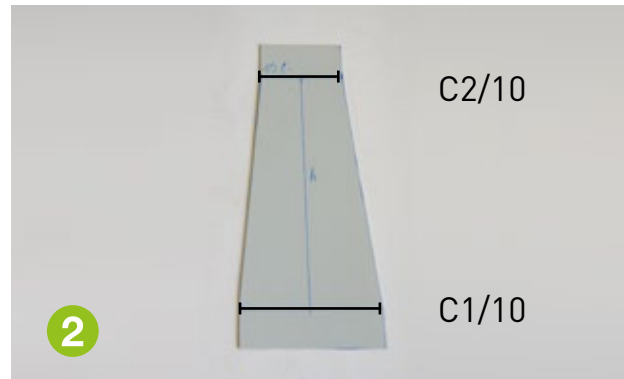


Apply our Arma-Chek Wrap product with an overlap of 20mm onto the body.

REDUCER



1 The length and both circumferences to be measured. Add each 20mm overlap to the longitudinal and circumferential joints.



2 Create the template according to the measurements. Divide the circumferences by 10.



3 Transfer the template onto our Arma-Chek Wrap product surface and mirror it 10 times.



4 Starting at one end of the pipe reducer, carefully wrap the self-welding material around the pipe. Ensure that the material is tightly secured without gaps.



5 Apply our Arma-Chek Wrap product with an overlap of 20mm onto the body.



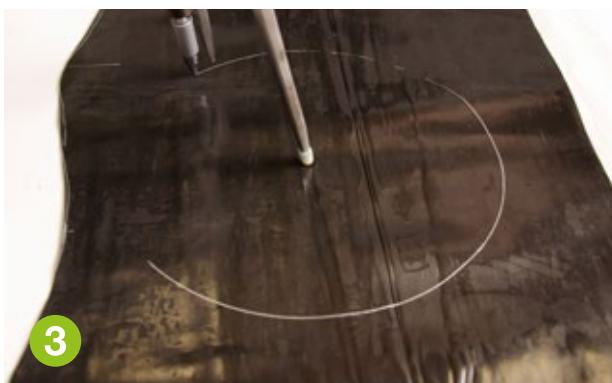
END CAP



Apply straight pipe insulation as mentioned previously until the end of the pipe. Add an additional 20mm for the overlap.



Fold back the longitudinal extra 20mm. To prevent the folded section from sticking to itself, it is essential to insert a release paper between the folded piece and our Arma-Chek Wrap product surface.



Cut the end cap disc with the radius of the insulated pipe and add an extra 20mm.



Apply the disc to the end of the pipe and unfold the first applied covering. During the vulcanisation process, it is important to match the edges of the end cap and pipe covering.



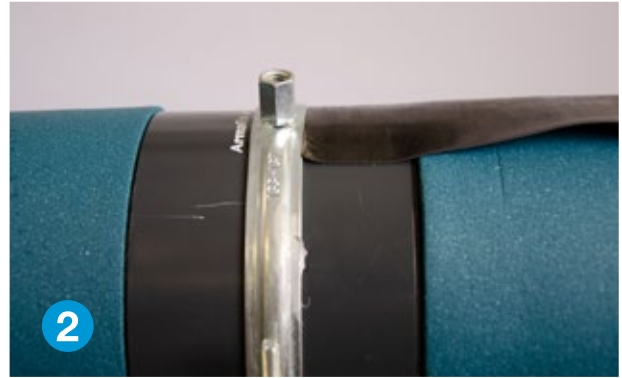
Apply firm pressure to the edges.

ARMAFIX™ PIPE SUPPORT



Measure the length of the straight pipe between both ArmaFix metal clamps.

ARMAFIX PIPE SUPPORT



Apply our Arma-Chek Wrap product onto the surface of the ArmaFlex insulation and on the ArmaFix pipe hangers.

ARMAFIX PIPE SUPPORT



Final view.

COMMON PIPE SUPPORT



Apply a small piece of our Arma-Chek Wrap product around the rod with a length of 30-50mm.

COMMON PIPE SUPPORT



Proceed as a straight pipe covering. Include a cut-out with a diameter equal to the rod diameter.

COMMON PIPE SUPPORT



Apply our Arma-Chek Mastic product where our Arma-Chek Wrap product and rod meet.

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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

For product information, please visit:
www.armacell.com

