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VentureClad™ Insulation Jacketing System by 3M Installation Instructions

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Installation Instructions

Surface Preparation/Tips:

Ensure that all surfaces are clean and dry; free from dust, oil and grease/silicone. All insulation should be taped securely, giving an even surface for the VentureClad™ Insulation Jacketing System Product application. All adhesives work best when firmly “wetted out” to the substrate surfaces.

When applying, partly peel back and crease the liner so enough adhesive is available to attach the VentureClad™ Insulation Jacketing Tape in the correct position. Progressively remove the liner while using a spreader to smooth the entire sheet being applied.

Continue applying VentureClad™ Insulation Jacketing Tape onto the surface until it meets itself – a 3" (75 mm) overlap is recommended to give a strong, weatherproof seal. Plan the wrap so that the edge of the sealing flap faces down.

Application to Rectangular Ductwork:

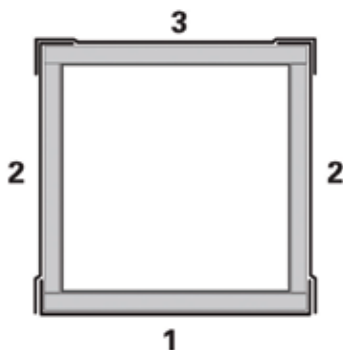
On ductwork over 32" (0.81 m) wide, it is recommended the top be crowned (pitched) to allow water runoff, preventing pooling.

For fast, easy application, VentureClad™ Insulation Jacketing Tape should be applied to each of the sides separately, starting with the bottom surface, then the sides and finally the top.

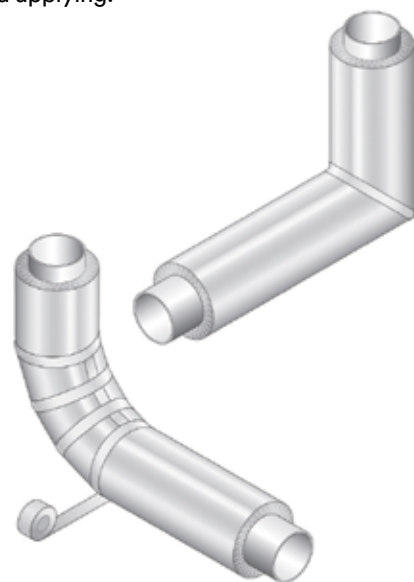


Pre-cut the VentureClad™ Insulation Jacketing Tape to the required size, plus an additional overlap of 3 inches (75 mm) for each adjoining surface.

When applying to rectangular ductwork, apply to the bottom surface first, bringing the 3" (75 mm) overlap up onto the sides. Next apply to the vertical surface, bringing the 3" (75 mm) overlap over onto the top surface. Finally, apply it to the top of the duct, bringing the 3" (75 mm) overlap down onto each side of the vertical surface.

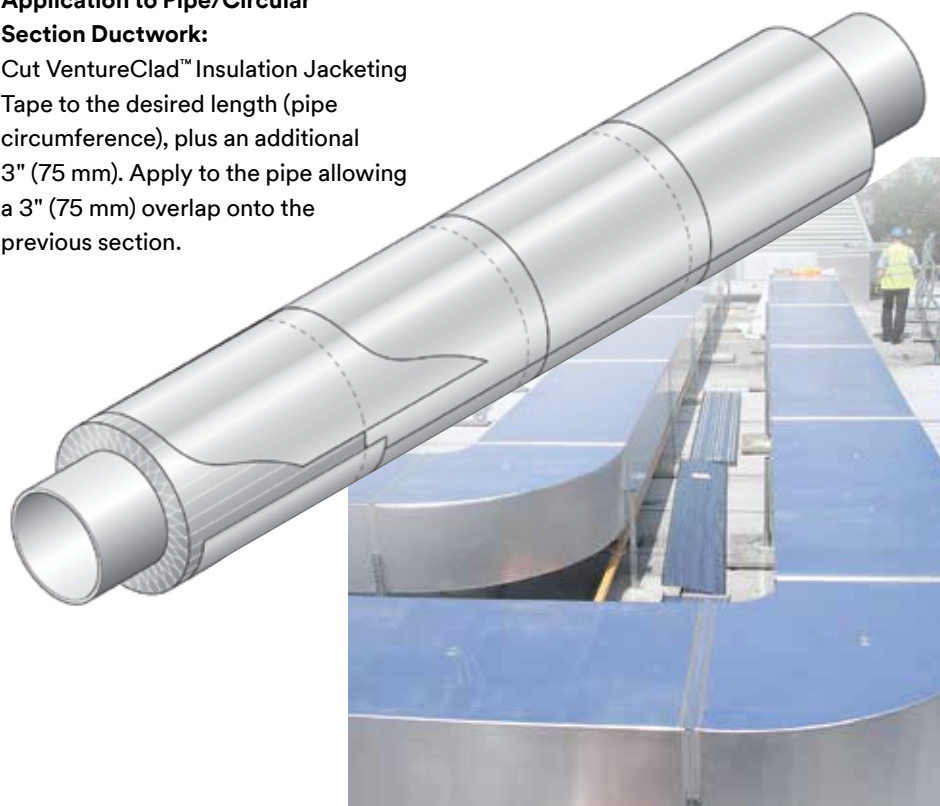


Pre-cover the bends and elbow configurations on the pipe by cutting the required shapes using VentureClad™ Insulation Jacketing Tape and applying.



Application to Pipe/Circular Section Ductwork:

Cut VentureClad™ Insulation Jacketing Tape to the desired length (pipe circumference), plus an additional 3" (75 mm). Apply to the pipe allowing a 3" (75 mm) overlap onto the previous section.



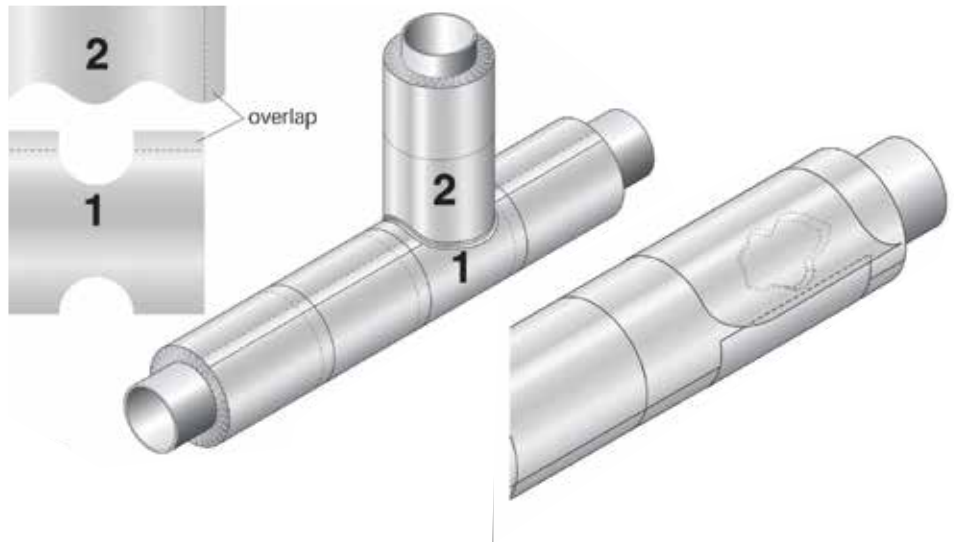
Application to Ductwork Reducer:

Starting from the bottom and working upward, allow an overlap of 3" (75 mm) onto adjacent surfaces.

Begin by applying VentureClad™ Insulation Jacketing Tape to surface number 1 and overlap onto each adjoining surface. Continue to apply tape to surface number 2 and overlap onto surfaces 3, 4 and 5; sealing onto the overlap and trimming flush at surface number 1, to achieve a neat, secure finish.

Then apply VentureClad™ Insulation Jacketing Tape to surface number 3 in the same manner as to surface number 2 but seal onto the overlap and trim at surface number 2.

Finally, apply to surfaces number 4 and 5 using the same technique explained in the rectangular ductwork instructions.



On "tee" sections, cut out templates, leaving a 1" (25 mm) overlap.

On reduced pipe, apply VentureClad™ Insulation Jacketing Tape first to surface number 1, overlapping onto surface number 2. Cut shape number 2, allowing for a 3" (75 mm) overlap and apply to surface number 2, overlapping onto section 1.

Apply tape to surface number 3, overlapping and sealing onto section number 2.

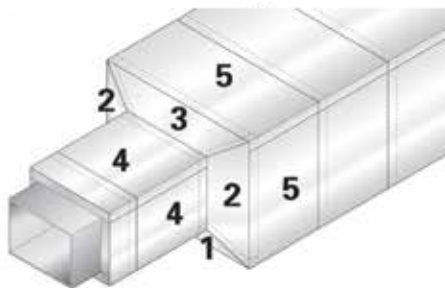
Finally, apply to surface number 4, overlapping and sealing onto section number 1.

Repair of VentureClad™ Insulation Jacketing Tape:

Should damage occur, simply ensure the surface is clean and apply a new section of VentureClad™ Insulation Jacketing Tape over the damaged area. Include a minimum of 3" (75 mm) past the damage site.

Notes: For installations using VentureClad™ Insulation Jacketing Tape 1579GCW, all seams must be taped with the recommended VentureClad™ Insulation Jacketing Tape jointing/seaming tape.

All underlying foil faced insulation products must be sealed with VentureClad™ Insulation Jacketing Tape Foil or FSK Tape to maintain warranty conditions.





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