



VICTORYclad™ Hybrid Metal Jacketing (HMJ) Pipe Installation Guide – Rivet and Tape Method

Product Description

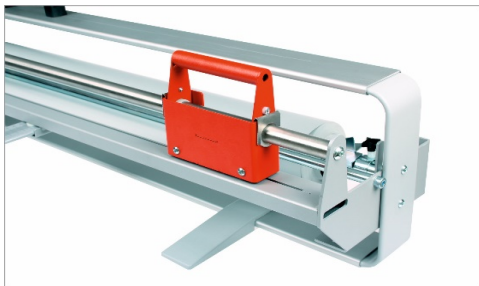
VICTORYclad™ Hybrid Metal Jacketing (HMJ) is a Zero-Perm, Weatherproof, 100% UV resistant, self-curling jacketing system. HMJ saves time, labor and material costs with an easy application process, eliminating the need for expensive vapor barriers.

VICTORYclad™ HMJ outside surface has been used for Decades as an exterior/interior Zero-Perm Insulation Jacket. Incorporating a robust and strong outer layer of aluminum fused with highly technical film layers. The inner surface of a flexible PVC ensures VICTORYclad™ HMJ provides best in class for rigidity and dent prevention as well as being resistant to chemicals and salt.

Installation Guide

This installation manual is a manufacturer's recommendation. The final way of application has to be decided by the installing party who has to take the responsibility for the professional and proper installation.

Before installation, make sure that the insulation material is dry and durably applied. For easy and proper cutting of HMJ from the roll we recommend using the HMJ Cutting Machine, this provides a clean straight cut for the overlap. The joints of the cladding shall overlap 2" so ensure the pieces are cut accordingly with the extra overlap. Hand cut pieced using a T-square and cut with a razor knife to ensure straight and consistent cut sections.



Materials / Tools Required

1. VICTORYclad™ HMJ: Non-adhesive roll materials to be used on pipe with pre-formed fittings.
2. VICTORYclad™ HMJ VC200/VC400 Seam Tape: To be used to seal HMJ Jackets on laps and butt joints.
3. Plastic rivets: Used for overlap fixing for non-adhesive versions to pipe and circular duct installations.
4. Rivet Puncher: Used to install plastic rivets through the HMJ roll material as a fixing aid.



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Installation to pipe

- HMJ comes with curl effect so when the piece is cut it will curl inwards so it will hold itself loosely to the pipe insulation before being fixed in place.
- It's recommended that when installing HMJ to pipe that the pre-formed fittings (elbows, tees) are installed prior to the straight sections of HMJ.
- Fixing the rivets is done by placing fitting / pipe section materials in place with overlap, using the Puncher press until a hole is made through both layers, **Fig 1**.
- Place rivet onto the Puncher and push through the hole until fixed in place, **Fig 2**.

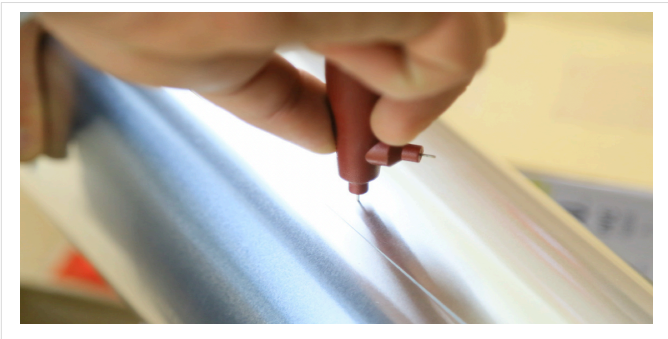


Fig. 1

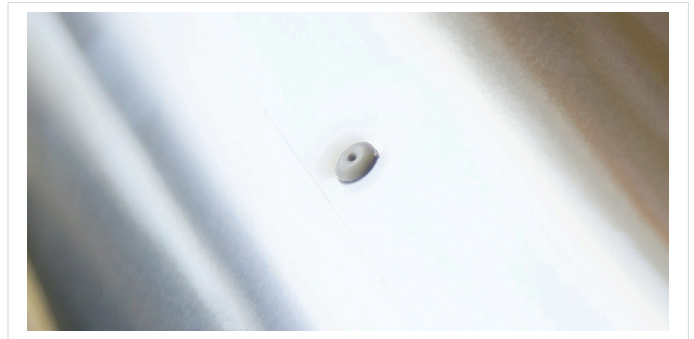


Fig. 2

- The pre-formed fittings are wrapped around the elbow / tee and then fixed in place with the plastic rivets. Using the rivet puncher make a whole through the fitting ensuring the whole goes through both overlaps, then insert the rivet using the puncher until the rivet is fixed in place and can't come out.
- Install all pre-formed fittings before installing the straight sections. **Fig 3**

**Step 1 – Fasten
using rivets
and/or tape**

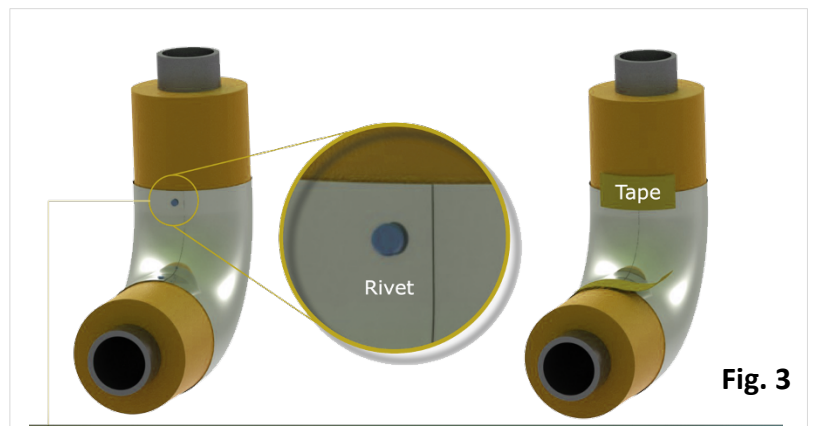
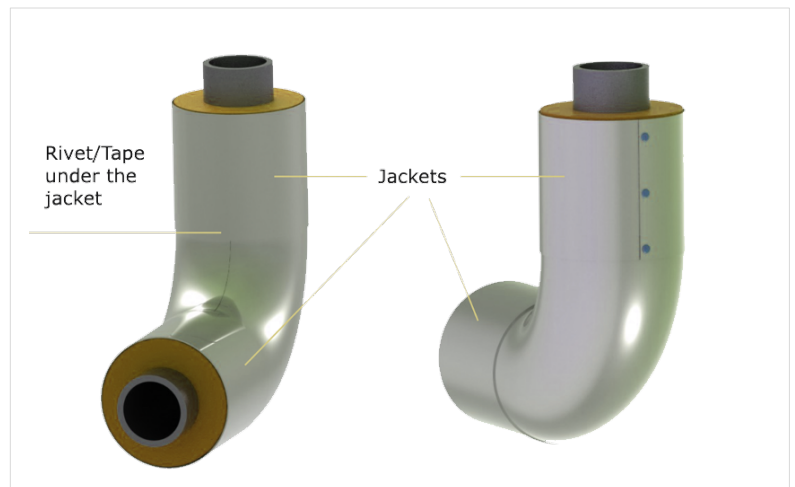


Fig. 3

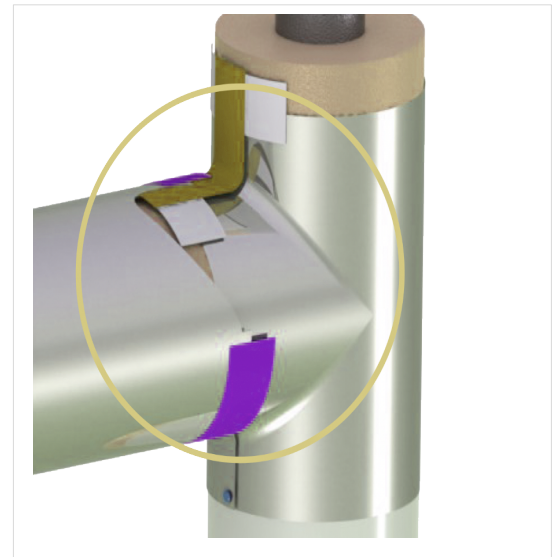
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- Cut the straight sections allowing for a 2-inch overlap on to the fittings, wrap around the pipe section ensuring the 2-inch overlap on to itself is observed, fix in place with the plastic rivets every 6 – 8 inches. It's not required to mechanically fix to the pre-form fitting.

**Step 2 – Place VC
HMJ over the
elbow and rivet
its seams**



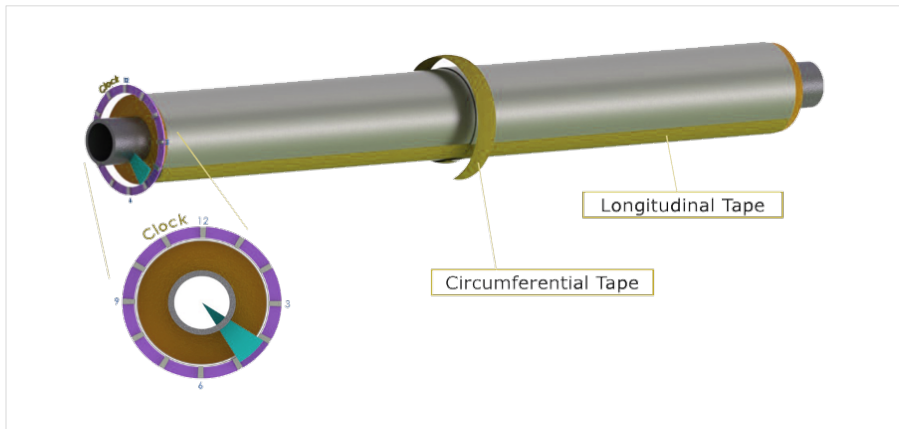
- Continue installing the rest of the straight sections ensuring the 2-inch overlap is observed to the previous piece.
- As the HMJ sections are non-adhesive it allows the straight sections to twisted around the insulation to ensure the rivets are out of view to ensure the best possible appearance.



• FOR EXTERNAL APPLICATIONS THE USE OF VC 200 SEAM TAPE IS REQUIRED TO ALL OVERLAPS TO PROVIDE A WATERTIGHT SYSTEM

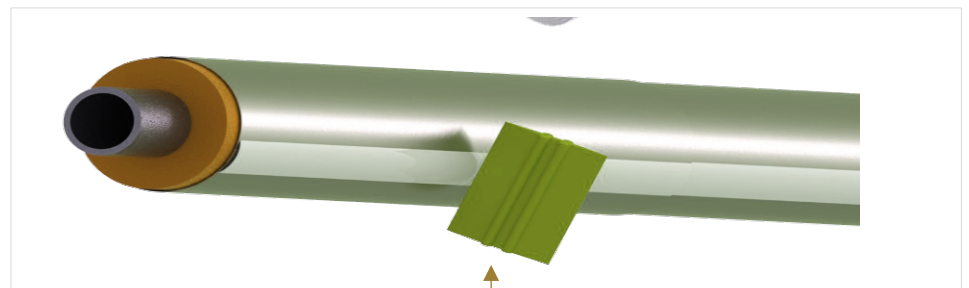
- **NOTE THAT THE TAPE IS TO BE RUBBED FIRMLY DOWN WITH PLASTIC APPLICATOR**

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Longitudinal seams must be placed at 4-5 o'clock

Rub down firmly with plastic applicator



Felt tip Squeegee

HMJ Maintenance

- A correctly installed HMJ over insulation is generally maintenance and service free.
- It is recommended to inspect the system at least twice a year to detect possible mechanical damages, improper installation causing tape failure or whether product has been removed.
- Regular maintenance inspections assist in detecting areas of repair early and to prevent consequential losses.

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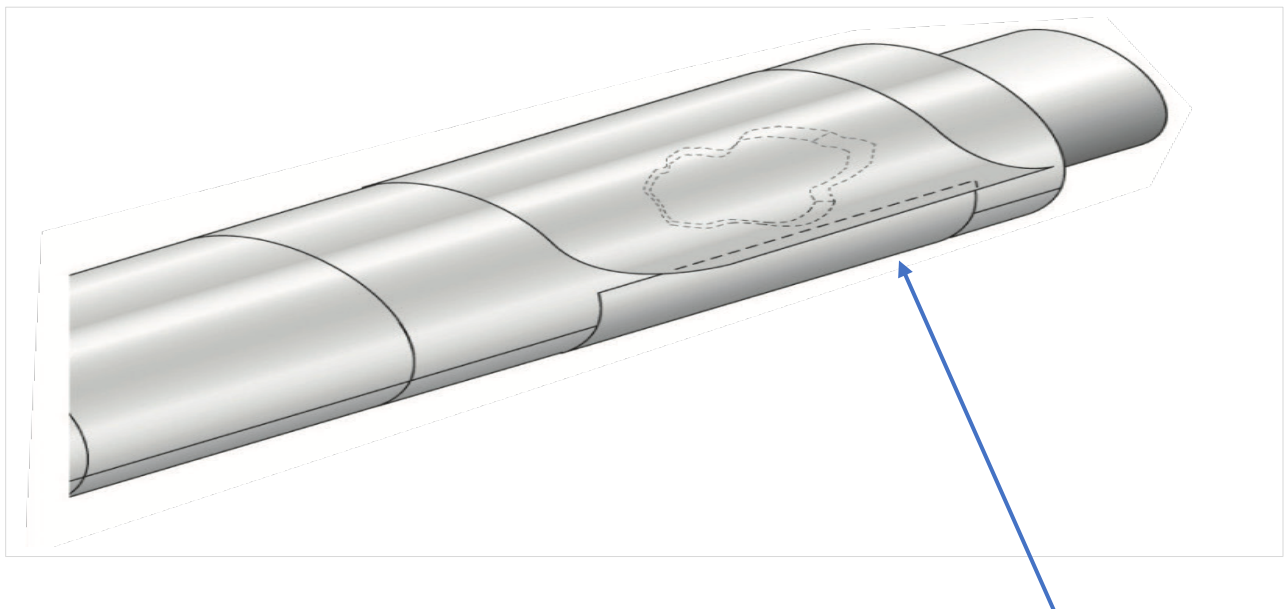
HMJ Maintenance & Damage Repair Process

It's recommended that any HMJ installed system is inspected every 6 months as part of a maintenance plan to ensure long term performance of the system.

In the event of damage to the HMJ then simply clean the surrounding surface to ensure it's clean, dry, and free from any dirt, grease & silicone.

Cut the replacement HMJ ensuring there's a 4-inch overlap to all sides of the damaged area.

Once the new piece is in place apply 3-inch VC200/VC400 Seam Tape to all edges of the piece rubbing firmly in place to provide the required seal to the existing jacketing.



Damaged area with new self-adhesive piece placed over the top

For areas where lifting of jointing tape maybe observed then it's recommended that the affected strip of tape is removed, the area then to be cleaned to ensure the area is clean & dry before installing replacement tape.

If there's any concerns on how to repair damaged areas, please contact your local VICTORYclad™ representative.