VISCOTAQ® Protecting Buried Flanges

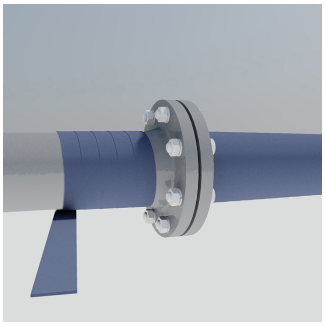
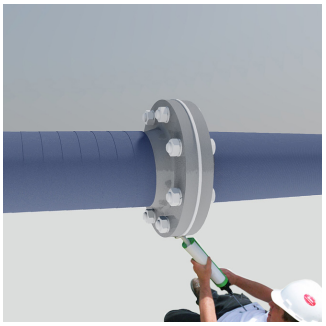
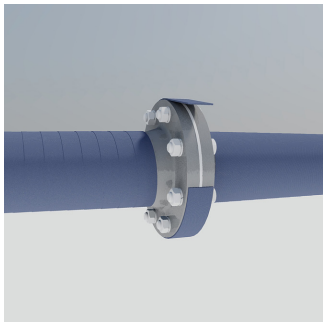
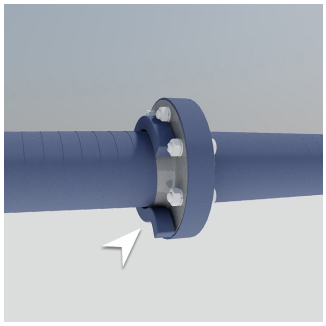
Product description
VISCOTAQ® is a non-crystalline a-polar viscous elastic (viscoelastic) solid polyolefin coating for corrosion prevention of underground and aboveground substrates. VISCOTAQ'S® molecular chemistry is unique and designed in such a way that the viscosity gives it permanent wetting characteristics and the elasticity of the product provides the strength and feeling of a solid. The VISCOTAQ® compound bonds to the substrate by means of Van der Waals principals, penetrating the pores and anomalies of the substrate. The coating remains in intimate contact with the substrate creating an impermeable homogeneous corrosion prevention coating.

General information
Buried flanges can often be difficult to protect against corrosion. VISCOTAQ® provides an easy solution for corrosion prevention. VISCOTAQ® Products can be molded around the bolts and uneven surface. The product remains in a semi solid state, offers immediate adhesion without the need for primer, requires minimal surface preparation and forms a continuous protective coating. The VISCOTAQ® bonds to the substrate at a molecular level creating a coating that is impermeable to moisture & oxygen.

Materials
- VISCOTAQ® VISCOWRAP
- VISCOTAQ® VISCOPASTE
- VISCOTAQ® VISCOSEALANT
- VISCOTAQ® OUTER WRAP

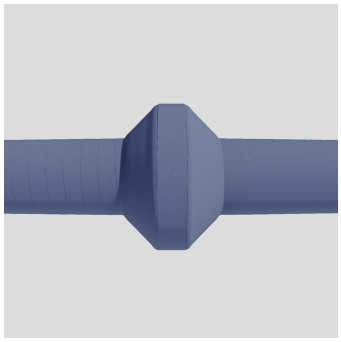
Application
Surface preparation
The surface area to be coated should be inspected prior to coating; known defects must be documented and photographed prior to application.
- Minimum surface preparation should be SSPC-SP2 (Hand Tool Clean).
- Once loose materials are removed, clean surface with denatured alcohol or acetone to remove any remaining dust, grease and moisture.
- Surface of the substrate should be 5°F+ above the dew point.
- Keep the working area clean and dry at all times. Avoid the presence of water.
- The adjacent coating should be roughened by means of sand paper or a grinding machine (If applicable). Suggested overlap onto the existing pipe coating: < 30" pipelines 4" overlap, > 30" pipelines 6" overlap.

VISCOTAQ® VISCOWRAP on the pipe
- Start wrapping the VISCOWRAP material on the pipe as near to the flange as possible. Start with a straight circumference wrap.
- Wrap away from flange and end wrapping with a straight circumference wrap overlapping on the factory coating.
- Wrap the VISCOTAQ VISCOWRAP with slight tension and a minimum 1/2" overlap.
- For coating repairs and difficult to reach areas VISCOTAQ ViscoWrap can be applied in pieces or strips.

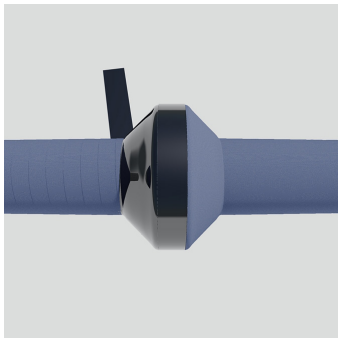
VISCOTAQ® VISCOSEALANT

- VISCOSEALANT is to be applied into the void between the flange faces, if space allows.
- For optimum application of VISCOSEALANT, preheat material to 35°C/90°F.
- Inject the VISCOSEALANT into the space between the flange faces around the complete circumference of the flange.
- Using a putty knife, push the product into the void and remove excess. Depening upon the flange class and type, a flexible nozzle can be used to better penetrate the flange aperture.



VISCOTAQ® VISCOPASTE

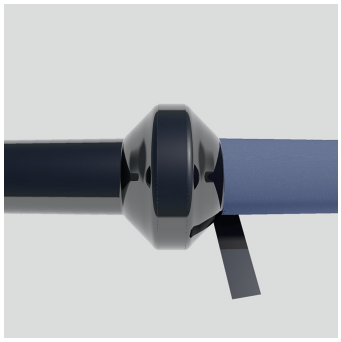
- For optimum application of VISCOPASTE, the material should have a temperature above 77°F.
- Mold the VISCOPASTE around the flange bolts and irregular surfaces. VISCOPASTE shall be cut into small pieces for easier application.
- Pack the VISCOPASTE at a 45° angle from the flange rim toward the pipeline. Install in a manner to avoid inclusion of air and moisture.
- All bolts and nuts or other exposed objects should be covered with VISCOPASTE.



VISCOTAQ® VISCOWRAP

- Install VISCOTAQ® VISCOWRAP from pipe to pipe over the VISCOPASTE and flange to protect the outer edge of the flange and to insure substrate is protected.
- Install VISCOWRAP with a minimum of a 1/2‴ overlap.
- Option 2- for less critical areas.

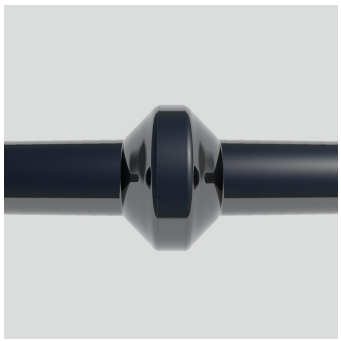
Wrap one layer of VISCOTAQ® VISCOWRAP along the circumference of the flange overlapping a minimum 2″. In cases of multiple circumference wraps, ending overlaps should be staggered.



VISCOTAQ® Outer Wrap, PE or PVC

- Start wrapping the Outer Wrap on the flange rim to one side and wrap down with a 75% overlap. After finishing make the same wrap to the other side and end in the same way.
- A 1/4″ section of VISCOWRAP material should always be visible at beginning and termination after the Outer Wrap has been applied.

VISCOTAQ Composite Wrap can be used in place of or in addition to the PVC or PE when additional mechanical protection is required.



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