

VISCOTAQ® Bell & Spigot Sealing System

Product description

VISCOTAQ® is a non-crystalline a-polar viscous elastic (viscoelastic) solid polyolefin coating for corrosion prevention and waterproofing 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/waterproof coating.

General information

The VISCOTAQ® Bell & Spigot Sealing System is based upon the use of the VISCOTAQ® VISCOPASTE in combination with the VISCOTAQ® VISCOWRAP and VISCOTAQ® OUTER WRAP. For applications that require additional hydrocarbon resistance or mechanical protections the VISCOTAQ® COMPOSITE WRAP is recommended. The system is applied to prevent water infiltration at the bell & spigot pipe connection. This system will also provide corrosion protection when applied on metallic piping. The VISCOTAQ® Bell & Spigot sealing System can be installed on new and existing joints of all materials (HDPE, PVC, Ductile, Steel, Concrete).

Materials

- VISCOTAQ® VISCOWRAP
- VISCOTAQ® VISCOPASTE
- VISCOTAQ® OUTER WRAP
- VISCOTAQ® COMPOSITE WRAP (optional)

Application

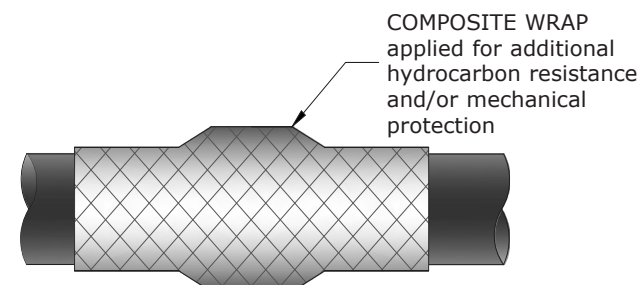
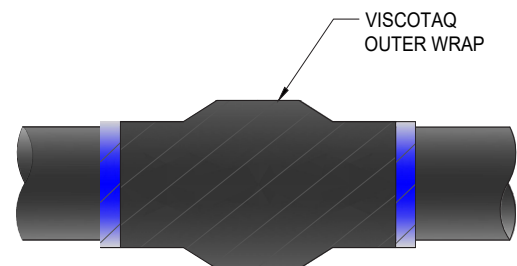
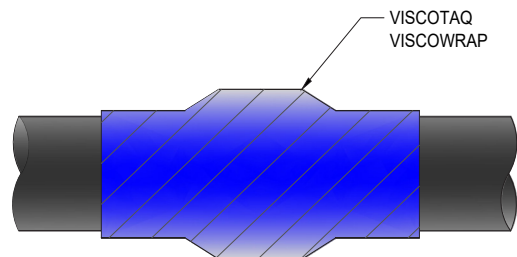
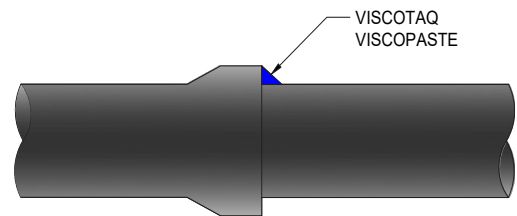
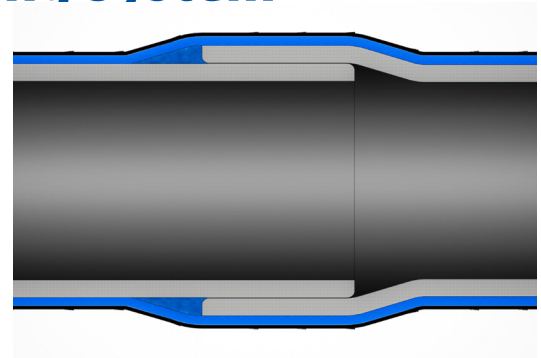
Surface preparation

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 ST2/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).

VISCOTAQ® VISCOPASTE

- For optimum application of VISCOPASTE, the material should have a temperature by preference above 25° C/77° F.
- Apply VISCOPASTE at the outer edge of the bell (socket) pipe to create a seal and transition to the spigot pipe. Apply with pressure to force the VISCOPASTE into the void/ joint where the pipes connect. Work the paste to eliminate as many air pockets as possible.
- Taper VISCOPASTE at an angle from the bell pipe to the spigot end pipe.





- CORROSION PREVENTION
- SEALING

VISCOTAQ® VISCOWRAP

- VISCOTAQ® VISCOWRAP is applied by removing the release liner and placing adhesive side on the pipe.
- Wrap VISCOTAQ® VISCOWRAP over entire joint starting $\geq 8"$ from the pipe joint and extending $\geq 8"$ from the connection onto connected pipe.
- Initial wrap should be a straight circumference wrap.
- Once initial straight circumference wrap is completed, wrap with slight tension and a 50% overlap.
- Wrap at an angle to create a smooth overlap and to ensure no air pockets are formed during wrapping
- End wrapping of VISCOWRAP with a straight circumference wrap.

VISCOTAQ® Outer Wrap, PE or PVC

- Outer Wrap should be wrapped with tension and a minimum of 50% overlap
- First wrap and termination wrap should be a straight circumference wrap.
- A 1/4" section of ViscoWrap should still be visible at after the PVC or PE Outer Wrap had been applied.

VISCOTAQ® Composite Wrap

The VISCOTAQ® Composite Wrap recommended for applications that require additional hydrocarbon resistance and/or mechanical protection.

Materials & Tools:

- Plastic Wrap (shrink-wrap)
- Rubber Gloves (heavy duty)
- Spray Bottle w/ water
- Scissors

Note: VISCOTAQ® Composite Wrap shall be applied over the entire joint completely encapsulating the VISCOTAQ® VISCOWRAP. Composite wrap shall extend $\geq 3"$ beyond the VISCOWRAP and shall be wrapped tightly around the pipe.

- Remove VISCOTAQ® Composite Wrap from package wearing rubber gloves and spray wrap with water.
- Composite Wrap cannot be applied at temperatures below freezing.
- Wrap Composite Wrap starting $\geq 3"$ on the pipe before the start of the VISCOWRAP. Wrap with 50% overlap and continuing to spray with water as applying. A double thickness of is sufficient for most areas. When applying on uneven surfaces (i.e. casing end seals, flanges, bell & spigot joints) wrap with sufficient tension to create a smooth transition.
- After Composite Wrap is applied, wrap with plastic wrap (shrink wrap) with tension to smooth wrinkles and folds to from one continuous cast.
- Gently poke holes in plastic wrap for ventilation. Holes should be every few inches around the circumference of the pipe.
- Remove plastic wrap when Composite Wrap has cured. Average curing time 1-3 hours.
- Composite Wrap can be painted if desired.



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Trusted Distributor &
Certified Trainer of the
Viscotag® Brand