

# VISCOTAQ® Casing End Seal System

## 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

The VISCOTAQ® Casing End Seal System is based upon the use of the VISCOTAQ® VISCOPASTE in combination with the VISCOTAQ® VISCOWRAP and the VISCOTAQ® COMPOSITE WRAP. The system is applied to prevent water infiltration and corrosion where the carrier pipe enters the casing pipe. VISCOTAQ® remains in a semi solid state, offers immediate adhesion without the need for primer, requires minimal surface preparation and forms a homologue, continuous, waterproof seal. One of the unique characteristics of the application is that the carrier pipe does not need to be centered in the casing. The VISCOTAQ® Casing End Seal System can be installed on new and existing casings.

- Carrier Pipe does not have to be centered in casing pipe
- Can be used on casings with multiple internal pipes
- Easy to install
- Inert material, no deterioration over time

## Materials necessary

VISCOTAQ® VISCOWRAP  
 VISCOTAQ® VISCOPASTE  
 VISCOTAQ® COMPOSITE WRAP

## Application

### Surface preparation

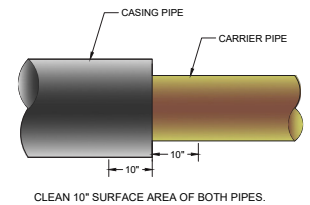
The surface area to be coated should be inspected prior to coating; known defects must be documented and photographed prior to application.

- Surface preparation should be completed on both the carrier and casing pipe, prepare a min if 10" in both directions.
- Surface preparations shall also be completed on the first 3" of the internal surface of the casing pipe and also on the carrier pipe where it enters the casing.
- 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.



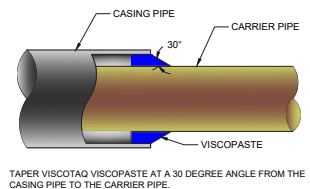
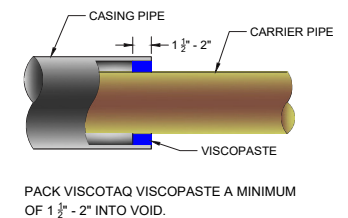
### VISCOTAQ® VISCOPASTE

- For optimum application of VISCOPASTE, the material should have a temperature above 25° C/77° F.
- Apply VISCOPASTE a minimum of 1 1/2" - 2" inside of casing between the casing and carrier pipe.
- Taper VISCOPASTE at a 30° angle from the casing pipe to the carrier pipe.
- VISCOPASTE should be packed into the casing void with as few air pockets as possible.



### VISCOTAQ® VISCOWRAP

- Wrap VISCOTAQ VISCOWRAP over casing end seal area starting on casing  $\geq 8''$  from the casing end.
- Begin and terminate wrapping with straight circumference wrap.
- Wrap VISCOTAQ VISCOWRAP with a 50% overlap from casing pipe to carrier pipe, wrap at an angle with slight tension to create a smooth overlap. (VISCOWRAP can be applied in strips if needed)
- Continue wrapping on to carrier pipe a distance of 8" or more from casing end.
- VISCOTAQ VISCOWRAP should be gently smoothed by hand to ensure no wrinkles, folds, or entrapped air.
- For coating repairs and difficult to reach areas VISCOTAQ VISCOWRAP can be applied in pieces, strips or individual circumference wraps.



### VISCOTAQ® COMPOSITE WRAP

#### Materials & Tools:

- Plastic Wrap (shrink-wrap)
- Spray Bottle w/ water
- Rubber Gloves (heavy duty)
- Scissors
- Wrap the COMPOSITE WRAP with sufficient tension and a 50% overlap, continually applying water with the spray bottle during application.
- Apply VISCOTAQ® COMPOSITE WRAP over the entire transition area from carrier pipe to casing pipe for mechanical protection.
- Begin and terminate composite wrap  $\geq 10$  inches in both directions from casing end. Completely encapsulate VISCOWRAP with VISCOTAQ® COMPOSITE WRAP
- After wrap has been applied lightly spray with water.
- Wrap Plastic Wrap (shrink-wrap) over entire area where COMPOSITE WRAP has been applied.
- 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.
- System can be pressure tested at 5 psi.

