



Sap & Kaps Petroleum Services II.c

PROTECTING BURIED FLANGES

SYSTEM DESCRIPTION



Introduction

VISCOTAQ® is a non-crystalline a-polar viscous elastic solid polyolefin coating for corrosion prevention of underground and aboveground substrates.



VISCOTASEALANT



VISCOPASTE



VISCOWRAP



OUTER WRAP

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.

System Description

SURFACE PREPARATION

- 1.1 Minimum surface preparation should be SSPC-SP2 (Hand Tool Clean).
- 1.2 Once loose materials are removed, clean surface with denatured alcohol or acetone to remove any remaining dust, grease and moisture.



APPLICATION OF VISCOTAQ® VISCOSEALANT/VISCOPASTE

- 2.1 Viscosealant is to be applied into the gap between the flange faces using injector tool.
- 2.2 For optimum application of Viscopaste, the material should have a temperature 25°C/77°F. Use putty knife knead the Viscopaste at a 45° angle from the flange rim toward the pipeline. All bolts and nuts should be covered with Viscopaste.



APPLICATION OF VISCOTAQ® VISCOWRAP

- 3.1 Apply Viscotaq® Viscowrap into the direction of the factory coating and end straight with an overlap of minimum 100cm/4" onto the factory coating.
- 3.2 Continue the application of wrap with 1cm overlap between the layers. Lay the Viscotaq® Viscowrap around the main pipe and smooth the fabric on to the surface of flange.



APPLICATION OF VISCOTAQ® OUTER WRAP

- 4.1 Start with a circumferential wrap. Apply the OuterWrap criss-cross around the flanged connection until all Viscowrap is covered.
- 4.2 Apply with 50% overlap, with tension and without any air inclusions. Leave 1/4" section of Viscotaq® Viscowrap outside on both ends.

