

SKPS

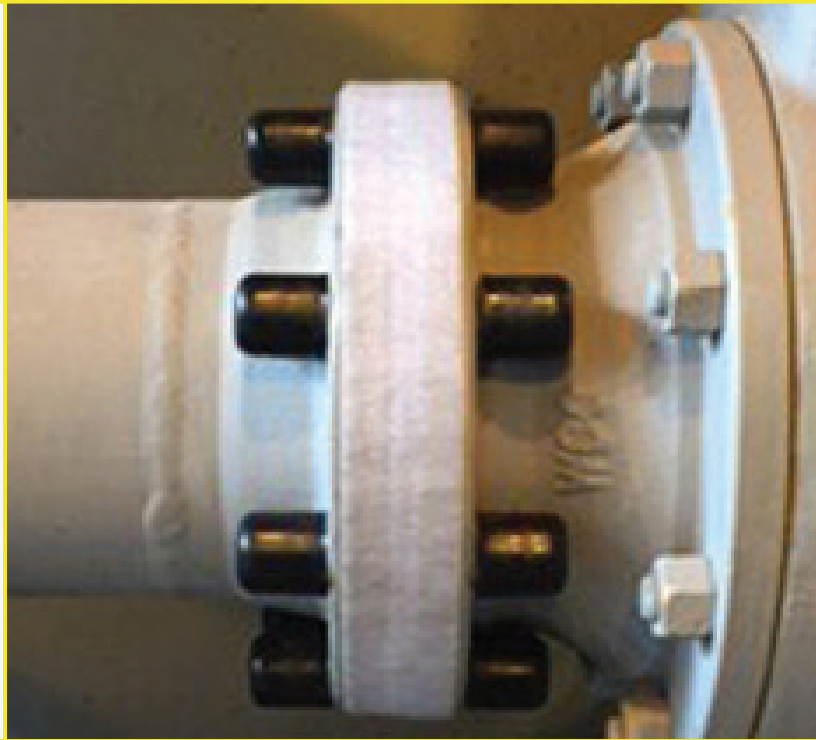
Sap & Kaps Petroleum Services II.c

FLANGE PROTECTION SYSTEM DESCRIPTION



Introduction

The Flange Protection system consist of the Viscotaq® Viscosealant in combination with the Viscotaq® EZ Wrap to stop corrosion between the flange faces of on onshore and offshore applications.



VISCOSEALANT



EZ WRAP

The system provides a seal that is not affected by vibrations of the pipeline, movements, freeze/thaw, expansion & contraction. Viscotaq® is hydrophobic; therefore water intake and water vapor permeability are very low. Viscotaq® is non-toxic, contains no VOC's and adheres aggressively to most all surfaces such as steel, PE, epoxies, tar, stainless, aluminum, etc. The result is a long-term corrosion prevention system and a maintenance free solution for many years. The coating remains in intimate contact with the substrate creating an impermeable homogeneous corrosion prevention coating.

- Wide temperature range for application
- Impermeable to moisture and gases
- Permanent wetting characteristics
- NO primer needed
- SP2 surface preparation (wire brush)
- Inert material, no deterioration over time
- Immediate adhesion to substrate
- Non-toxic, non-flammable
- Flexible and pliable
- Does not crack or becomes brittle
- No cure time
- Cold applied
- Freeze and thaw resistant
- UV resistant
- Made in the USA
- Manufactured under ISO9001
- Patented Technology
- Easy to remove
- Molds and forms easily
- A-polar and rejects water

System Description

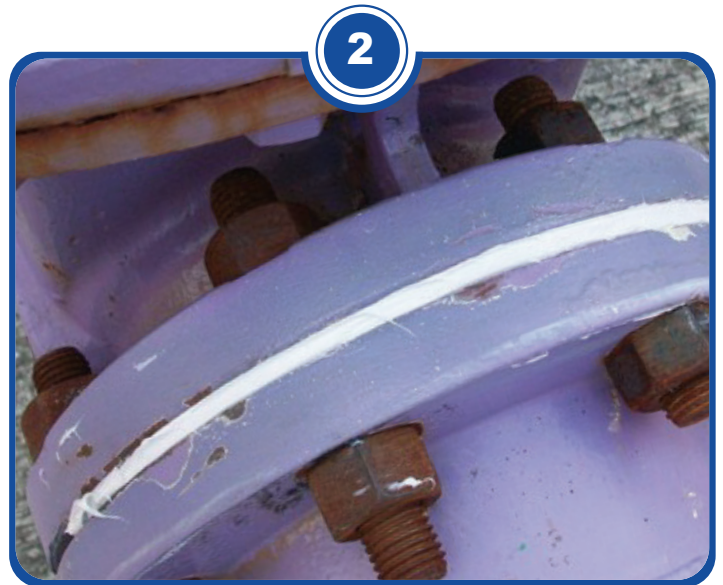
SURFACE PREPARATION

- 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.
- 1.3 Surface of the substrate should be 5°F+ above the dew point.
- 1.4 Keep the working area clean and dry. Avoid the presence of water.



APPLICATION OF VISCOTAQ® VISCOSEALANT

- 2.1 Viscotaq® Viscosealant is to be applied into the void between the flange faces. Protect flange neck with a removable tape in order not to pollute the neck with the Viscotaq® Viscosealant.
- 2.2 For optimum application of Viscotaq® Viscosealant, preheat material to 35°C/90°F.
- 2.3 Inject the Viscotaq® Viscosealant into the space between the flange faces around the complete circumference of the flange.
- 2.4 Dependable upon the flange class and type, a flexible nozzle can be used to better penetrate the flange aperture.



APPLICATION OF VISCOTAQ® EZ WRAP

- 3.1 Remove the protective tape on the neck and apply one layer of Viscotaq® EZ Wrap over the complete circumference of the flange.
- 3.2 Overlap Viscotaq® EZ Wrap at least 5 cm/2". A roller may be used to ensure adhesion.
- 3.3 In case the flange neck does not match the width of the Viscotaq® EZ Wrap, apply separate wraps in such a way that the circumference overlap between the two wraps is always a minimum 1". Termination of wraps to be staggered. Install cap on nut and bolt.

