VISCOSEALANT
Product Data Sheet

SKPS®

Viscotaq® viscosealant is a viscous elastic non hardening caulking compound for waterproofing and corrosion prevention. The material can be used for corrosion protection of above ground flanges, as a waterproof seal at ring wall tanks and for water proofing cable and pipe penetrations.

Viscotaq® viscosealant provides for a waterproof and gas restrictive seal. The material is available in cartridges of 12 oz./310 ml and 30 oz./1 liter.

Uses

- ☑ Sealant for concrete, steel, PVC, metal, wood, vinyl, and other coatings
- ☑ Seams
- ☑ Penetrations
- ☑ Cracks
- ☑ Waterproofing of gravity-fed pipes, manholes
- ☑ Tank base sealant
- ☑ Flange and bolt protection

Application

- Temperature range -42,9° C/-45,26° F up to +50° C/+120° F
- Continuous operating temperature up to 50° C/+120° F
- Application temperature > +5° C/+41° F
- Surface preparation: free of loose particles, dust, debris

Sap & Kaps Petroleum Services, LLC
Abu Dhabi, U.A.E.
+971 50 667 9697, +971 2 4474288
info@skps.com

Features

- ☑ Viscotaq® Viscous elastic solid adhesive compound
- ☑ Universal application as a corrosion preventative sealant and water barrier
- ☑ Unlimited shelf life
- ☑ Immediate adhesion to all surfaces
- ☑ Easy injection into small crevices
- ☑ Glass transition temperature -42,92° C/-45,26° F
- ☑ Self healing in case of small damages
- ☑ Impervious to moisture and gases
- ☑ Remains flexible and tacky
- ☑ Permanent wetting characteristics
- ☑ Non toxic; no solvents
- ☑ Eliminates Microbiological Induced Corrosion
- ☑ No curing time
- ☑ Extreme high chemical resistance
- ☑ No sensitivity to salts and osmosis
- ☑ Cohesive fracture
- ☑ 100% inert formulation: no reactive groups and no deterioration in the course of time

Surface Preparation

- Surface inspected prior to application with any defects documented.
- Minimum surface preparation should be ST2/SSPC-SP2 (Hand Tool Clean).
- Once loose material are removed, clean surface with denatured alcohol or acetone to remove any remaining dust, grease, and moisture.
- Surface of substrate should be 5°F (3°C) or greater above the dew point.
- Keep the working area clean and dry at all times. Avoid the presence of water.
- Any adjacent coating should be roughened by means of sandpaper or a grinding machine, if applicable. Suggested overlap onto the existing coating is 4" – 6".

1. Viscosealant

- Cut open the end of the ViscoSealant cartridge. Screw dispensing nozzle onto cartridge.
- Cut tip of dispensing nozzle accordingly to achieve the desired dispensing volume.
- Place cartridge into caulking gun and begin dispensing by squeezing trigger and moving along area to be sealed.
- A finger or tool may be used to ensure good contact with the substrate and an appropriate transition within sealed area.
- Once completed, place or wrap over the ViscoSealant using strips or rolls of ViscoWrap or EZ Wrap to completely cover it.

2. PVC Outerwrap or PE Outerwrap

- PE Outerwrap or PVC Outerwrap should be wrapped with tension and a minimum of 50% overlap.
- The first and termination wraps should be a straight circumferential wrap. A ¼" section of ViscoWrap should still be visible at each end of the outer wrap application.

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3. PU Composite Wrap

- Do not open the foil pouch until ready to apply product.
- Once ready to apply the PU Composite Wrap, remove from the hermetically sealed, foil pouch using protective gloves and place in room-temperature water (salt or fresh) for 20-30 seconds.
- The roll should be immersed in water for a longer time when the environment is cold or dry.
- After wrapping is completed, immediately begin wrapping compression foil the same direction the layers of PU Composite Wrap were applied to compress it quickly and with tension applied.
- Overwrap each end of the PU Composite Wrap by at least 2 inches (50 mm) to ensure the ends lay flat and resin is retained.
- Once compressed, use the Tool to puncture the compression foil. This will allow for excess resin, moisture, and carbon dioxide from the reaction to escape. Apply only enough pressure to puncture the compression foil and not the layers of PU Composite wrap.
- When the material has cured, the Denso Poly-Wrap may be removed.

Technical Data

Properties	English	Metric
Material State	Semisolid	Semisolid
Density (DIN 53479)	1.1-1.4	1.1-1.4
Glass Transition Temperature (ASTM E1356-03)	-45.26°F	-42.92°C
Water Vapor Permeability (ASTM E96/96M-10)	<5.6 x 10-4 lb/day/ft2/psi	<4 x 10-4 g/day/m2/Pa
Water Absorption (ISO 62)	<0.03%	<0.03%
Volume Resistivity (ASTM D257-07)	>8.7 x 1012 ohm*in	>2.2 x 1013 ohm*cm
Surface Resistivity (ASTM D257-07)	>6.0 x 1016 ohm*ft2	>5.6 x 1015 ohm*m2
Thermal Resistance	-45°F to 160°F	-45°C to 71°C
Dielectric Strength (ASTM D149-09)	>445 KV/in	>17.5 kV/mm
Impact Strength (ISO 21809-3 (2016) Annex D)	>133 in-lbf	>15 J (Immediate)
Indentation (ISO 21809-3 (2016) Annex E	No holidays	No holidays
UV/Weather Cycle Test (ASTM D4587, 1000 Hours	Excellent, rating 10	Excellent, rating 10
Wet Adhesion Test (CSA Z245-20-06 Sec. 12.14)	Excellent	Excellent

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