

VISCOTAQ™ ViscoSealant

AMORPHOUS, LOW VISCOSITY, APOLAR, VISCO-ELASTIC,
SEMI-SOLID, POLYOLEFIN SEALANT

DESCRIPTION

VISCOTAQ™ ViscoSealant is an amorphous, apolar, visco-elastic, semi-solid, polyolefin sealant for corrosion prevention of underground and aboveground substrates. It is part of the Viscotaq coating system which consists of a sealant, a corrosion protective layer (ViscoWrap or EZ Wrap) and a mechanical protective outer layer, if needed. This sealant offers exceptional corrosion prevention and waterproofing for a variety of substrates.

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

FEATURES

- Impermeable to moisture and gases
- Immediate adhesion to substrate / permanent wetting characteristics
- No primer needed
- Easy to apply, no mixing or messy clean-up
- Minimal surface preparation required ST2/SP2-wire brush (Hand Tool Clean)
- Self-healing characteristics
- Inert material, no deterioration over time
- Resistant to aggressive soil conditions such as water, acid, salts, or soil organics
- Quick long-term protective coating, ready for immediate service

- Contains no solvents, no carcinogens, non-toxic, non-flammable
- Contains fire retardant materials and self-extinguishing
- UV resistant and never cracks or becomes brittle
- Flexible, pliable, conforms to irregular shapes easily
- Freeze / thaw resistant
- Thermal resistance from -45°C to 71°C
- Ability to fill voids and anomalies of substrate
- Meets NACE 0109:2019, ISO 21809-3:2016 & AS4822-2018

SURFACE PREPARATION

Surface preparation should include the following:

- Surface inspected prior to application with any defects documented.
- Minimum surface preparation should be ST2/SSPC-SP2 (Hand Tool Clean).
- Once loose materials are removed, clean surface with 100% Isopropyl Alcohol, IPA, VISCOTAQ Substrate Cleaner to SSPC-SP1 to remove any remaining dust, grease, and moisture.
- Surface of substrate should be 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 cleaned and prepared to ST2/ST3, if applicable. Suggested overlap onto the existing pipe coating is 100 - 150mm.



APPLICATION

VISCOTAQ™ ViscoSealant is applied in the following manner:

- 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.
- Make sure that the wrap transitions onto the surrounding substrate.

After wrapping of ViscoSealant and ViscoWrap/ EZ Wrap is completed, immediately begin wrapping over the ViscoWrap with PE or PVC Outerwrap to complete the Viscotaq Coating System. VISCOTAQ™ PE Outerwrap or PVC Outerwrap is applied in accordance with the product TDS.

Denso Glass Outerwrap™ may be used in addition to the PE Outerwrap or PVC Outerwrap when additional mechanical protection or increased service temperature is required. Glass Outerwrap (GOW) is applied in accordance with the product TDS.

STORAGE

Store in a dry, well-ventilated area between 4°C and 60°C in original, unopened containers. Shelf life is unlimited under these conditions. It is recommended that all components be stored between 20°C and 30°C for 24 hours prior to use for optimum product application characteristics.

Due to the adhesive nature of the product, release films/papers should be kept in place during storage and whenever the material is placed on its side after removal from the case.

PACKAGING

Cartridge Size	Cartridges per Carton
310 ml (10 oz)	25
890ml (30oz)	9

TECHNICAL DATA

PROPERTIES	METRIC
Material State	Semisolid
Density (DIN 53479)	1.1-1.4
Glass Transition Temperature (ASTM E1356-03)	-42.92°C
Water Vapor Permeability (ASTM E96/96M-10)	<4 x 10 ⁻⁴ g/day/m ² /Pa
Water Absorption (ISO 62)	<0.03%
Volume Resistivity (ASTM D257-07)	>2.2 x 10 ¹³ ohm*cm
Surface Resistivity (ASTM D257-07)	>5.6 x 10 ¹⁵ ohm*m ²
Thermal Resistance	-45°C to 71°C
Dielectric Strength (ASTM D149-09)	>17.5 kV/mm
Impact Strength (ISO 21809-3 (2016) Annex D)	>15 J (Immediate)
Indentation (ISO 21809-3 (2016) Annex E)	No holidays
UV/Weather Cycle Test (ASTM D4587, 1000 Hours)	Excellent, rating 10
Wet Adhesion Test (CSA Z245-20-06 Sec. 12.14)	Excellent



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