Viscotaq EZ Wrap

Amorphous, Apolar, Visco-Elastic, Semi-Solid, Polyolefin Coating

Description

Viscotaq EZ Wrap is an amorphous, apolar, visco-elastic, semi-solid, polyolefin coating with a paintable backing for corrosion prevention of underground and aboveground substrates. It is part of the Viscotaq coating system which consists of a corrosion protective sealant or mastic covered by the EZ Wrap and a mechanical protective outer layer, if required. This coating system offers exceptional corrosion prevention and waterproofing for a variety of substrates.

Uses

- Coating for concrete, steel, PVC, metal, wood, vinyl, and other coatings
- Soil-to-air transitions
- Pipe, flanges, valves and fittings
- Girth welds
- Buried pipelines with minimal surface preparation
- Waterproofing of gravity-fed pipes, manholes, seams, penetrations, and cracks
- CUI applications
- End seal for pipe casing
- Tank chimes
- Waterproofing for bell and spigot joints

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 (SP2-wire brush)
- Excellent cathodic protection / low cathodic disbondment
- 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°F to 158°F (-45°C to 70°C)
- Ability to fill voids and anomalies of substrate
- Meets NACE 0109:2019 and ISO 21809-3:2016
- Available in high temperature grade

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Surface Prep

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 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 existing coating is 4" - 6" (100 mm - 150 mm).

Application

Prior to the application of Viscotaq EZ Wrap, seal cracks, seams, etc. with ViscoSealant or contour penetrations, flanges, or step changes in substrate with ViscoMastic. After this, Viscotaq EZ Wrap is applied in the following manner:

- Remove the release liner and place the adhesive side onto the substrate.
- The initial wrap should be a straight circumferential wrap.
- Once completed, wrap the pipe with slight tension and a minimum of ½" overlap.
- Wrap at an angle to create a smooth overlap and to ensure no air pockets are formed during wrapping.
- End wrapping with a straight circumferential wrap.
- For coating repairs, flat application areas and difficult to reach areas, EZ Wrap can be applied in pieces, strips, or individual circumferential wraps (cigarette wrap).

After wrapping of Viscotaq EZ Wrap is completed, immediately begin wrapping over the Viscotaq EZ Wrap with PE Outerwrap or PVC Outerwrap to complete the Viscotaq Coating System. PE Outerwrap or PVC Outerwrap is applied in the following manner:

- 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 Viscotaq EZ Wrap should still be visible at each end of the outer wrap application.

If an Outerwrap is not required, an aesthetic or protective coating, such as Archco 15, may be applied to the EZ Wrap. Please follow the suppliers recommendations regarding the coating application.

Storage

Store in a dry, well-ventilated area between 40°F and 140°F (4°C to 60°C) in original, unopened containers. Shelf life is unlimited under these conditions. It is recommended that all components be stored between 68°F to 86°F (20°C to 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

Tape Width	Tape Length	Rolls*/ Case
in.	ft.	ea.
2" (50 mm)	24' (7.3 m)	12
4" (100 mm)	24' (7.3 m)	8
6" (150 mm)	24' (7.3 m)	4
12" (300 mm)	24' (7.3 m)	4

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Technical Data

Properties	English	Metric
Material State	Semisolid	*Semisolid*
Thickness (ISO 4593:1993E)	>70 mils	*>1.8 mm*
Density (DIN 53479)	1.1-1.4	*1.1-1.4*
Glass Transition Temperature (ASTM E1356-03)	-45.26°F	*-42.92°C*
Softening Point (ASTM E1356-03)	306°F	*152°C*
Water Vapor Permeability (ASTM E96/96M-10)	<5.6 x 10^{-4} lb/day/ft^2/psi	*<4 x 10^{-4} g/day/m^2/Pa*
Water Absorption (ISO 62)	<0.03%	*<0.03%*
Cathodic Disbondment at 73°F (23°C) (ASTM G8-96/ISO 21809-3)	0 mm (Self-healing)	*0 mm (Self-healing)*
Volume Resistivity (ASTM D257-07)	>8.7 x 10^{12} ohm*in	*>2.2 x 10^{13} ohm*cm*
Surface Resistivity (ASTM D257-07)	>6.0 x 10^{16} ohm*ft^2	*>5.6 x 10^{15} ohm*m^2*
Thermal Resistance	-45°F to 158°F	*-45°C to 70°C*
Dielectric Strength (ASTM D149-09)	>445 KV/in	*>17.5 kV/mm*
Impact Strength (ISO 21809-3 (2016) Annex D)	>133 in-lb_f	*>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*
Chemical Resistance in Aggressive Soils Tested in Sulfuric Acid (30%), Nitric Acid (10%), Phosphoric Acid (20%), Hydrochloric Acid (10%)	Excellent No deterioration, 72 hours at 158°F / No corrosion, 72 hours at 158°F	*Excellent* *No deterioration, 72 hours at 70°C /* *No corrosion, 72 hours at 70°C*

DENSO (AUSTRALIA) PTY LTD

Denso (Australia) Pty Ltd
77-95 National Boulevard
Campbellfield, VIC 3061
AUSTRALIA

Tel: +61 3 9356 7600
Fax: +61 3 9356 7699

www.densoaustralia.com.au
denso@densoaustralia.com.au

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