

TECHNICAL DATA SHEET

VISCOTAQ™ COATING PATCH

Visco-Elastic Repair Patch

Description

Viscotaq Coating Patch is a visco-elastic repair patch for the Viscotaq corrosion system on underground and aboveground substrates. It is provided as a 3.5" x 3.5" patch compound with a solvent wipe and sandpaper included for surface preparation.

Uses

- Cadweld joints
- Pin brake connections
- Holiday repairs

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 (sandpaper / solvent wipe)
- 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
- Never cracks or becomes brittle
- Flexible, pliable, easily conforms to irregular shapes
- UV resistant
- Freeze / thaw resistant
- Application ranges from -45°F to 158°F (-45°C to 70°C)
- Ability to fill voids and anomalies of substrate

Surface Prep

Surface preparation should include the following:

- Minimum surface preparation should be to roughen surface of sufficient area around damage to exceed patch area with sandpaper provided.
- Once loose materials are removed, clean surface with solvent wipe provided to remove any remaining dust, grease, and moisture.



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- Surface of substrate should be 5°F (3°C) or greater above the dew point.
- Surface inspected prior to application with any defects documented.
- Always keep the working area clean and dry. Avoid the presence of water. Any adjacent coating should be roughened by means of sandpaper.

Application

Viscotaq Coating Patch is applied in the following manner:

- Remove the release liner and place the adhesive side onto the substrate.
- Apply pressure over entire patch area to ensure good contact with surface.
- For coating repairs in difficult to reach areas, the Velcro disk attached to the patch can be used to attach to a placement tool configured appropriately to reach the repair area.

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

A single Viscotaq Coating Patch contains one each 3.5" x 3.5" repair patch, one each solvent wipe packet, and one each square of 80 grit sandpaper.

A case of coating patches contains 48 each kits as described above.

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TECHNICAL DATA

PROPERTIES	ENGLISH	METRIC
Material State	Semisolid	<i>Semisolid</i>
Thickness (ISO 4593:1993E)	>70 mils	>1.8 microns
Density (DIN 53479)	1.1-1.3	1.1-1.3
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/ft ² /psi	<4 x 10 ⁻⁴ g/day/m ² /Pa
Water Absorption (ISO 62)	<0.03%	<0.03%
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
Application Range	-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

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