

# Viscotaq™ COATING PATCH

## Visco-Elastic Repair Patch

### Description

Viscotaq Coating Patch is a visco-elastic repair patch for 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

- Cadwelds
- Pin braze 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
- 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

- 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.
- Surface of substrate should be 5°F (3°C) or greater above the dew point.



# TECHNICAL DATA SHEET

- 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

- 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.

# TECHNICAL DATA SHEET

## Tech Data

Properties	Imperial	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)	-45.26°F	42.92°C
Water Vapor Permeability (ASTM E96/96M)	<5.6 x 10 <sup>-4</sup> lb/day/ft <sup>2</sup> /psi	<4 x 10 <sup>-4</sup> g/day/m <sup>2</sup> /Pa
Water Absorption (ISO 62)	<0.03%	<0.03%
Volume Resistivity (ASTM D257)	>8.7 x 10 <sup>12</sup> ohm*in	>2.2 x 10 <sup>13</sup> ohm*cm
Surface Resistivity (ASTM D257)	>6.0 x 10 <sup>16</sup> ohm*ft <sup>2</sup>	>5.6 x 10 <sup>15</sup> ohm*m <sup>2</sup>
Application Range	-45°F to 158°F	-45°C to 70°C
Dielectric Strength (ASTM D149)	>445 KV/in	>17.5 kV/mm
Impact Strength (ISO 21809-3 Annex D)	>133 in-lb <sub>f</sub>	>15 J (Immediate)
Indentation (ISO 21809-3 Annex E)	No holidays	<i>No holidays</i>
UV/Weather Cycle Test (ASTM D4587, 1000 Hours)	Excellent, rating 10	<i>Excellent, rating 10</i>
Wet Adhesion Test (CSA Z245-20 Sec. 12.14)	Excellent	<i>Excellent</i>
Chemical Resistance in Aggressive Soils Tested in Sulfuric Acid (30%), Nitric Acid (10%), Phosphoric Acid (20%), Hydrochloric Acid (10%)	Excellent	<i>Excellent</i>
	No deterioration, 72 hours at 158°F / No corrosion, 72 hours at 158°F	<i>No deterioration, 72 hours at 70°C / No corrosion, 72 hours at 70°C</i>



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