



## ElectroTechCP™ EZ-Joint System

**GALVANIC CATHODIC PROTECTION SYSTEM  
FOR EXPANSION/CONSTRUCTION JOINTS**

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As joints deteriorate they suffer from water leakage which brings in contaminants such as de-icing salts. The result is corrosion of the concrete reinforcement on both sides of the joint. Without deploying a long-term protection solution, corrosion damage will occur in the concrete around the joint and a costly cycle of multiple repairs will result. A combined repair and protection solution can break this cycle of repair in these ongoing problem areas by providing focused corrosion protection around the joint to extend the service-life of the concrete.

STRUCTURAL TECHNOLOGIES' **ElectroTechCP™ EZ-Joint System** is a cathodic corrosion control solution for the long-term protection of concrete surrounding expansion/construction joints. The system was developed as a means of providing corrosion control as well as serving as a barrier against future contamination.

### Delivers Optimal Protection

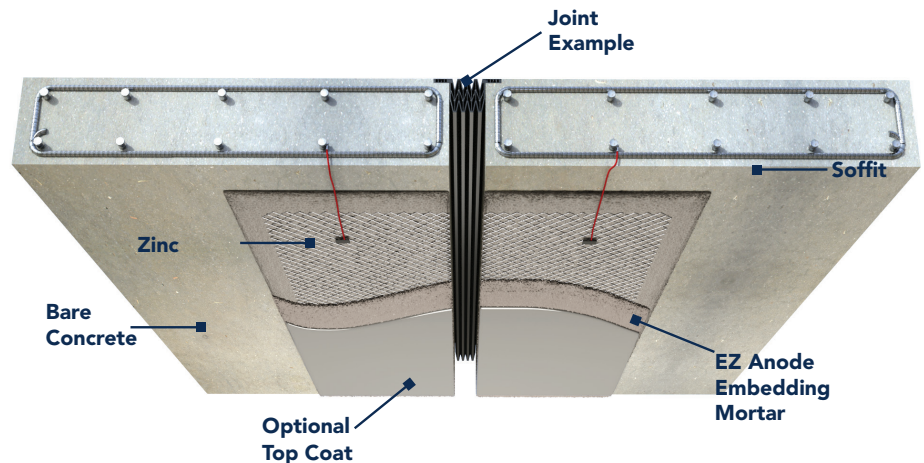
ElectroTechCP™ EZ-Joint System is maintenance-free — its protective current output self-adjusts to meet changes in temperature, humidity, concrete resistivity and a number of other factors, delivering optimum corrosion protection to the joint at all times.

### Protects and Shields

In addition to providing corrosion protection, the ElectroTechCP™ EZ-Column System serves as a barrier against future environmental contamination, shielding the concrete from future corrosion damage.

### Easy to Install

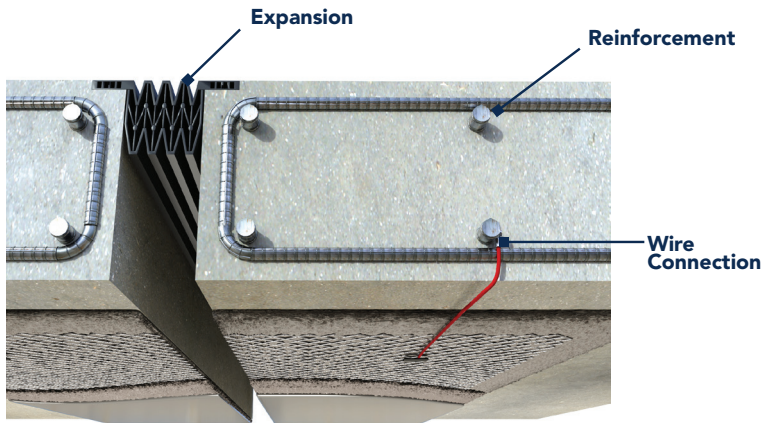
The installation of the ElectroTechCP™ EZ-Column System is simple as it is easily installed on site. The embedding mortar is placed on the surface of the concrete, followed by the zinc mesh of various grades that is connected to the steel reinforcement, and, finally, a second layer of the embedding mortar is applied over the zinc mesh. A top coat or alternative finish system is then applied as desired. STRUCTURAL TECHNOLOGIES provides turnkey installation through our contracting companies.



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## Application Support

STRUCTURAL TECHNOLOGIES can provide design, installation, and training support.

## Technical Data

For more detailed technical information for the ElectroTechCP™ EZ-Joint System, please refer to the ElectroTechCP™ EZ Anode System product line data sheet at [www.structuraltechnologies.com](http://www.structuraltechnologies.com).

## System Advantages

- Ease and speed of installation cuts installation time and cost
- Fits any shape or dimension
- Protection self-adjusts to temperature, humidity, and concrete resistivity
- Corrosion protection of steel in concrete for up to 20 years\*
- Compatible with any type of concrete repair material
- Does not require an external power supply — maintenance free
- Commercially available with minimal lead time
- Compatible with various top coats, paints or tiling systems

\*As with all galvanic protection systems, service-life and performance is dependent upon many factors including reinforcing steel density, concrete conductivity, chloride concentration, humidity and anode spacing.

## STRUCTURAL TECHNOLOGIES CORROSION SOLUTIONS

[www.structuraltechnologies.com](http://www.structuraltechnologies.com) | 410-859-6539

STRUCTURAL TECHNOLOGIES offers a full suite of cathodic protection systems — including both impressed current and galvanic solutions — to accommodate a wide range of structural life expectancies, budgets, design considerations and maintenance requirements. Our products can be used stand-alone or in combination to solve complex corrosion protection challenges.

STRUCTURAL TECHNOLOGIES' full line of corrosion control products are custom engineered and supported by an industry-leading team of engineers, metallurgists, NACE-certified corrosion experts and field technicians.

## About STRUCTURAL TECHNOLOGIES

STRUCTURAL TECHNOLOGIES is firmly committed to its ongoing mission of making structures stronger and last longer. We develop and integrate products with engineering support services to provide our value-added solutions to designers, engineering professionals, contractors, and owners in the Commercial, Public, Industrial, and Power markets.