



## ElectroTechCP™ EZ-Balcony System

GALVANIC CATHODIC PROTECTION SYSTEM  
FOR BALCONIES

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Balcony slabs are constantly exposed to the environment, making them a prime target for corrosion-induced damage. This damage not only effects the aesthetics of the balcony, but also its structural safety, putting users, owners and property managers at risk.

Repairing balcony damage without deploying a long-term protection solution creates an ongoing cycle of repair and disruption while allowing corrosion damage to continue to occur. The additional upfront cost of a protection system is offset by the long-term savings of multiple repair cycles when protection systems are not integrated into the initial repair.

STRUCTURAL TECHNOLOGIES' ElectroTechCP™ EZ-Balcony System is a unique solution for the long-term protection of balconies suffering from corrosion-induced damage in atmospheric conditions. This galvanic corrosion control system stops the electrochemical corrosion process of the steel within the concrete, as well as serving as a barrier against future contamination of the slab.

### Delivers Optimal Protection

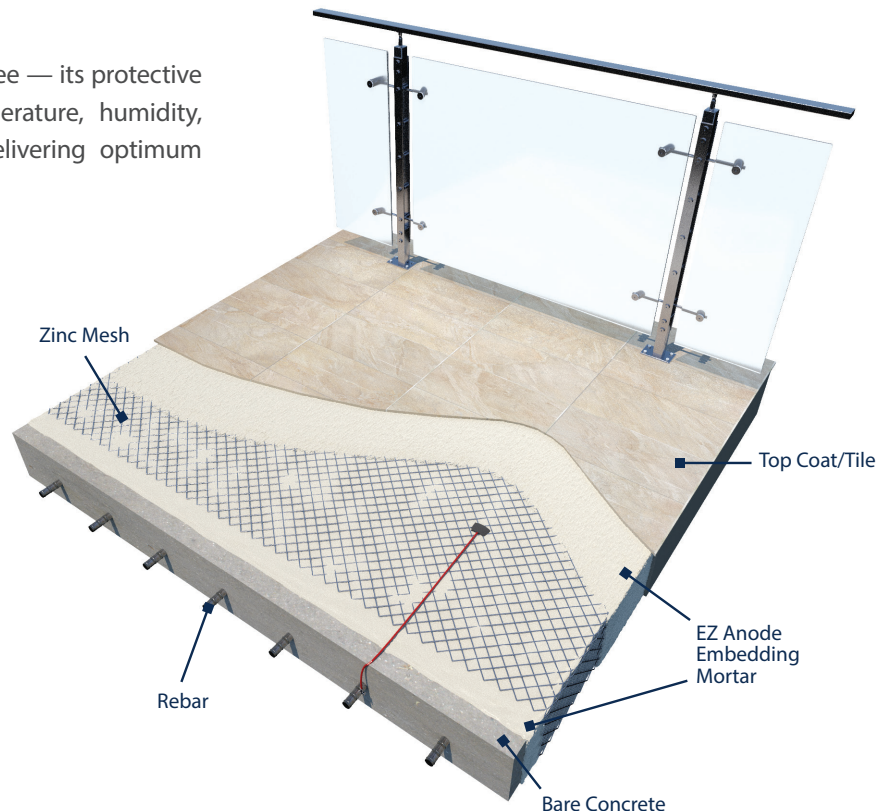
The ElectroTechCP™ EZ-Balcony System is maintenance-free — its protective current output self-adjusts to meet changes in temperature, humidity, concrete resistivity and a number of other factors, delivering optimum corrosion protection to the balcony at all times.

### Protects and Shields

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

### Easy to Install

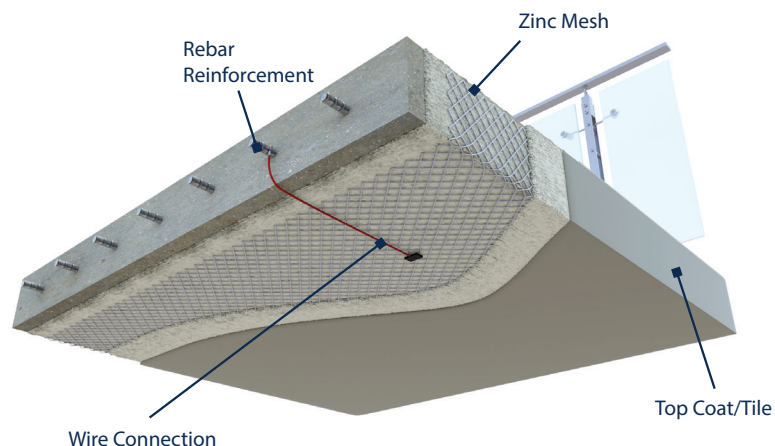
The ElectroTechCP™ EZ-Balcony System is easily installed on site. The embedding mortar is placed on the surface of the concrete, followed by the zinc mesh of various grades that is connected to the steel reinforcement, and, finally, a second layer of the embedding mortar is applied over the zinc mesh. 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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## System Advantages

- Ease and speed of installation cuts installation time and cost
- Fits any shape or size balcony
- 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

## Application Support

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

## Technical Data

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

\*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.