

Corr-Stops® Galvanic Anodes

Type 1A sacrificial anodes for embedment in reinforced concrete structures

Use

Mitigates incipient anode-induced corrosion around the boundary of concrete repairs. Mitigates corrosion initiation in new structures.

Advantages

- Quick and easy installation
- Requires no external power source
- Extends lifetime of concrete structures
- Suitable for pre-stressed, post-tensioned and conventional concrete structures

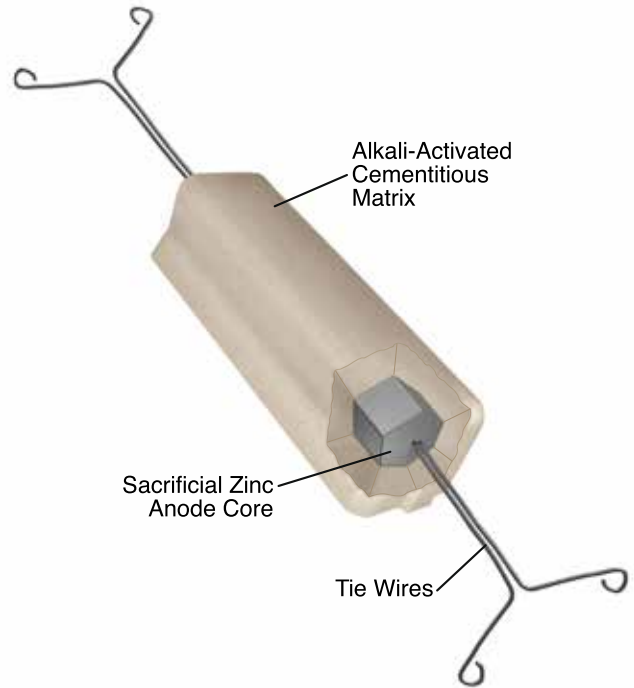
Description

A sacrificial zinc metal embedded within a specially formulated alkaline cementitious mortar. Corr-Stops® Anodes are attached to the reinforcing steel by means of integral wire ties which allow installation in horizontal, vertical and overhead locations.

- Zinc conforms to ASTM B418 Type II
- Zinc core cast around a pair of uncoated steel tie wires
- Alkaline mortar shell with pH of 14 or greater
- No intentionally added constituents that will cause steel corrosion

Design Criteria

Corr-Stops® Anodes are installed in accordance with the design engineer's plans and specifications. In no case should anode spacing exceed 30 inches (750 mm).



Application Instructions

Preparation

The concrete shall be removed from around and behind the steel reinforcement in accordance with good concrete repair practice.

Exposed steel reinforcement shall be cleaned to remove all corrosion products as per the design or industry practice including the back of exposed steel bars. Abrasive blasting is recommended for this process.

Prior to installation of Corr-Stops® Anodes, continuity of the steel reinforcement in the repair area shall be checked. Any discontinuity will require restoration of continuity by traditional means.

For any inquires please email or visit our website:

info@corr-stops.com www.corr-stops.com

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Application

Attach Corr-Stops® Anodes immediately following preparation and cleaning of the steel reinforcement.

Install Corr-Stops® Anodes as close as practical to the edge of the broken out repair zone or on a grid pattern as per the engineer's design.

Corr-Stops® Anodes should be positioned to ensure full encasement within the repair material. Tighten tie wires so no free movement is possible. Electrical continuity between anode wire ties and reinforcement bars shall be tested using a continuity meter.

Concrete cover over Corr-Stops® Anodes should equal the depth of cover to the steel reinforcement to which it is attached but in no case shall be less than 0.75 inches (20 mm).

If reinforcement coatings or bonding agents are used, do not coat the surface of the anode or tie wires.

Repair Materials

Repair materials encasing the anode shall be portland cement-based and shall be electrochemically conductive and shall be approved by the design engineer. For more information, refer to ISO12696.

Storage

Store in dry conditions in the original unopened packages.

Precautions

Corr-Stops® Anodes should be handled using gloves and other personal protective equipment as per standard procedures for handling materials containing portland cement.

Product	Approximate Size	Zinc Weight	Anodes per Pkg.	Package Weight
Corr-Stops® Anode 40	1" x 1 1/4" x 2.5" (25 x 31 x 64mm)	40 grams	50	15 lbs. (6.8 kg)
Corr-Stops® Anode 60	1" x 1" x 5" (25 x 25 x 125mm)	60 grams	50	20 lbs. (9.1 kg)
Corr-Stops® Anode 100	1 17/64" x 1 11/32" x 4" (32 x 34 x 100mm)	100 grams	40	22.5 lbs. (10.2 kg)
Corr-Stops® Anode 160	1 3/8" x 1 37/64" x 5 1/8" (35 x 40 x 130mm)	160 grams	30	26.5 lbs. (12 kg)

Important note: For professional use only. User shall be responsible to determine suitability of use and assume all risks. Whilst we endeavor to ensure that any information provided is correct, we cannot accept any liability either directly or indirectly arising from the use of our products as we have no direct or continuous control over where or how our products are applied.

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