

Product Evaluation

RE: Review of Sentinel Galvanic Anodes

PRODUCT

The Sentinel Galvanic Anodes are designed to mitigate the corrosion of reinforcing steel in concrete. The Sentinel Galvanic Anodes are manufactured by Euclid Chemical Company located in Cleveland, Ohio and distributed by Euclid Canada Incorporated located in Toronto, Ontario.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Sentinel Galvanic Anodes function is to counteract the 'anode ring effect' and significantly extend the service life of concrete patch repair. Sentinel Galvanic Anodes apply cathodic protection technology to steel reinforced concrete structures to prevent embedded rebar corrosion. Product Web site: <http://www.euclidchemical.com/>

DESCRIPTION

The Sentinel Galvanic Anodes uses a zinc anode that is fastened to rebar with galvanized tie wires that will not rust and will mount tightly to the rebar forming a secure, repeatable connection.

POTENTIAL USAGE

Sentinel Galvanic Anodes are suitable for use on bridge structures, parking decks, pier & dock supports and retaining walls.

STANDARDS

NACE RP0290-90
ASTM B 418-01
ASTM A 82-02

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has used various methods of cathodic and galvanic protection for bridge and culvert structures.

APPLICABLE STANDARDS

Alberta Transportation has no standard specification for cathodic protection but does specify minimum standards for galvanic coating of steel products.

RECOMMENDATIONS

List product on the Alberta Transportation Products List under Potential Products, Corrosion Protection, Galvanic – Proprietary. Final acceptance as a Proven Product will be based on field performance.

Caveat – “Trial locations must be approved by the department”

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
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