

Product Evaluation

RE: Review of Galvashield Fusion T2

PRODUCT

Galvashield Fusion T2 is a corrosion prevention product manufactured and distributed by Vector Corrosion Technologies located in Winnipeg, Manitoba. Website: www.vector-corrosion.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

Galvashield Fusion T2 is based on Fusion anode technology combining the performance of an impressed current electrochemical treatment (Stage 1) with the long-term maintenance-free capabilities of an alkali-activated galvanic anode (Stage 2). The Galvashield Fusion T2 Anode automatically switches from Stage 1 to Stage 2 to provide long term, maintenance-free corrosion protection without complex wiring or an external DC power supply.

DESCRIPTION

Galvashield Fusion T2 is a second-generation two stage anode system used to control corrosion in reinforced concrete structures. Galvashield Fusion T2 is a Type 2 anode for embedment within drilled holes in sound concrete. The anode selection and spacing are based upon the specific condition of the structure. Final designs utilize standard cathodic protection principles in accordance with ISO BS EN 12696:2016 and NACE RP0290 or can be based on achieving passivation in Stage 1 and cathodic prevention in Stage 2.

POTENTIAL USAGE

Corrosion prevention of rebars in concrete structures.

STANDARDS

Not Provided

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience with similar products

APPLICABLE STANDARDS

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

RECOMMENDATIONS

Galvashield Fusion T2 be listed as a Potential Product under Alberta Transportation Products List, Corrosion Protection - Galvanic – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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