

Product Evaluation

RE: Review of Galvashield SM-DAS

PRODUCT INFORMATION

Product Name: Galvashield® SM-DAS Manufacturer: Vector Corrosion Technologies, Winnipeg
Website: <https://www.vector-corrosion.com> Supplier: Vector Corrosion Technologies, Winnipeg

VENDOR CLAIMS AND INFORMATION

CLAIMS

Galvashield® SM-DAS anode units are distributed across reinforced concrete and masonry structures to provide global corrosion protection or can be used to target specific sections with high corrosion risk such as chloride contaminated concrete around joints and areas with high corrosion potential.

DESCRIPTION

Galvashield SM-DAS anodes contain alkali-activated mortar cast around a high purity zinc core. Once installed, the zinc anode corrodes preferentially to the surrounding steel reinforcement, thereby providing galvanic corrosion control to the embedded reinforcing steel. The quantity of zinc, the anode length, electrical components, and installation procedures are customized to meet specific project requirements.

POTENTIAL USAGE

Galvashield SM-DAS is a surface mounted distributed anode system designed to provide corrosion control or cathodic protection to steel reinforced concrete structures such as columns and beams, parking structures, concrete tanks, prestressed concrete, bridges, piers and wharfs, plant rehabilitation, service life extension in severe service conditions, shallow or thin concrete members, double T beams etc.

STANDARDS

Not provided

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

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: Written approval must be provided by the Bridge Materials Engineer (Technical Standards Branch – Bridges) prior to its implementation on trial projects. The development of evaluation criteria may be a condition of approval.

TRIAL PROJECTS

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