

Galvashield® CC

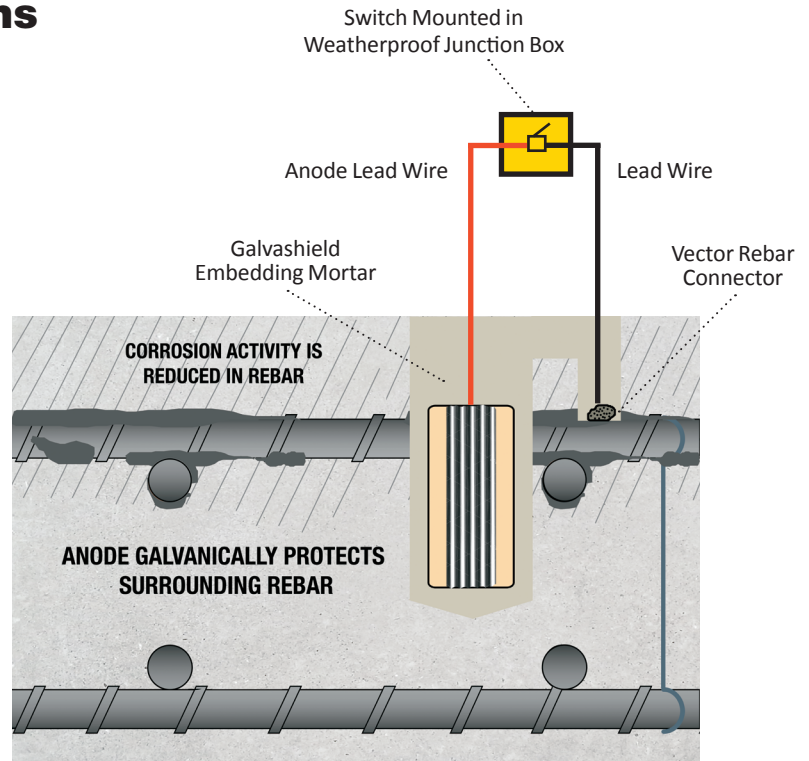
Monitoring Kit Instructions

Each Galvashield® CC Monitoring Kit contains:

- Galvashield® CC anode hard-wired to insulated red electrical lead (3 m long)
- Insulated black electrical lead (3 m long)
- Switch with crimp-on connectors
- Weather-proof junction box

Galvashield® CC spacing and hole dimensions should follow the installation instructions in the data sheet. The monitored anode will be wired to an externally-mounted switch where readings can be taken. After the anode is installed in the appropriate location, the red anode lead wire is attached to the switch in the electrical box.

The cathode connection (to the reinforcing steel) is made using a Vector Rebar Connector (available separately) as per the Galvashield® CC data sheet. After the rebar connection is established, electrical continuity should be verified by measuring DC resistance between with another rebar connection site. Resistance of less than 1 (Ω) ohm is acceptable. Strip the end of the black lead wire and connect to the steel wire extruding from the Vector Rebar Connector. This connection should be sealed to prevent corrosion between the copper and steel wire. The black lead wire should be connected to the switch in the electrical junction box. Place the junction box away from traffic or other possible causes of damage or



Galvashield® CC Embedded in Concrete Repair

disturbance. Secure the box with the adhesive tape found on the underside of the box or by another means. The two wires (black & red) leading out of the test area to the junction box may be better protected by placing in a saw-cut groove or plastic conduit.

CURRENT MEASUREMENT

Current is measured with the same meter as when measuring continuity. Be certain the range is set for microamps

(μ A) or milliamps (mA) when measuring DC current. Connect the multimeter leads to the two contacts of the switch. When the switch is ON the reading will be zero. To correctly take a reading, turn the switch OFF and record the current measurement (Do not forget to return the switch to ON).

Health and Safety Information and Storage Instructions are consistent with Galvashield® CC Installation Instructions.

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