



Galvashield® CC Product Line

holes. Mix one 20kg (44lb.) bag of Galvashield® Embedding Mortar with 3.2 to 3.7 liters (0.8 to 1.0 gallons) of potable water. Add the powder to the water and mix with a drum or paddle mixer until a smooth consistency is achieved. Mix full bags or weigh partial bags and wafer to ensure proper mix ratio is maintained.

Place the mixed embedding mortar into the bottom ¾ of each hole and slowly press in the unit allowing the mortar to fill the annular space ensuring there are no air voids between the unit and the parent concrete. The minimum unit cover depth shall be ¾ in. (20 mm).

Place wires into grooves and top off holes and saw cuts flush to the concrete surface with embedding mortar. Embedding mortar should be wet cured or cured with a curing compound and protected from traffic for 24 hours.

Series Connection - a single circuit shall contain no more than 10 Galvashield® CC units. Reinforcing steel connections should be made using the Vector Rebar Connection and Anode Connection Kits or the Galvashield® CC Rivet Connector Pack.

When using Vector Rebar Connectors, drill a minimum of two ½ in. (12 mm) rebar connection holes per string of anodes and install as detailed above. If installing in series, connect the units using the interconnection wire and connectors supplied in the Vector Anode Connection Kit.

If using Galvashield® CC Rivet Connectors chip 2 in. (50 mm) holes to expose rebar in two locations. If using the Galvashield® CC Rivet Connector Kits, electrical connection to the steel shall be established by drilling a 5-7mm deep hole into the steel using the 3.5mm drill bit provided. 3.2mm stainless steel pop rivets are used to connect the connecting wire to the steel. The connection shall be insulated by a neutral cure sealant or epoxy.

Saw cut a single continuous groove approximately ¼ in. (6 mm) wide by ½ in. (12 mm) deep into the concrete to interconnect rebar connection holes and anode connection holes. Connect the units directly to the rebar connection wire using the supplied wire connectors. Presoak anode units and install with Galvashield® Embedding Mortar as detailed above.

PRECAUTIONS

⚠️ CC units are not intended to address or repair structural damage. Where structural damage exists, consult a structural engineer.

⚠️ CC anodes are designed to provide galvanic corrosion control. Corrosion control products significantly reduce or stop on-going corrosion. Concrete repairs should be completed using Galvashield® XP units around the boundary of the patch prior to installing Galvashield® CC units in the remaining unrepaired areas. For more information on corrosion mitigation strategies, contact Vector Corrosion Technologies.

PACKAGING

Galvashield® CC units	20 units per box
Galvashield® Embedding Mortar	44 lb. (20 kg) bags one bag per 40-80 units
Vector Rebar Connection Kit	
Vector Rebar Connectors	20 rebar connectors per box
Vector Anode Connection Kit	250 ft. (15.2 m) insulated cable, 25 wire connectors
Vector Setting Tool	1 unit per box
Galvashield® CC Rivet Connector Pack	5 stainless steel rivets, 2 drill bits 23 wire connectors, 14 m (46 ft.) insulated wire

STORAGE

Store in dry conditions in the original unopened boxes. Avoid extremes of temperature and humidity. Units should be installed within two years.





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HEALTH AND SAFETY

As with all cement-based materials, contact with moisture can release alkalis which may be harmful to exposed skin. Galvashield® CC and Galvashield® Embedding Mortar should be handled with suitable gloves and other personal protective equipment in accordance with standard procedures for handling cementitious materials. Mix left over water from the unit bath with cementitious material and dispose by normal means after hardening. Additional safety information is included in the Safety Data Sheet.

RELATED DOCUMENTS

A range of related Galvashield® CC documents are available including independent product evaluations, installation instructions, specifications, project histories, applications, price list, MSDS etc. For more information, contact Vector Corrosion Technologies.

ABOUT VECTOR

Vector Corrosion Technologies takes pride in offering technically advanced, cost effective corrosion protection solutions to extend the service life and improve the durability of concrete and masonry structures around the world. Vector has earned numerous project awards and patents for product innovation and is committed to a safe, healthy and sustainable environment. For additional information or technical support, please contact any Vector office or our extensive network of international distributors.

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