

# Galvashield® Embedding Mortar

Controlled Low Resistivity Mortar for Embedded Galvanic Anodes

## DESCRIPTION

Galvashield® Embedding Mortar is a controlled resistivity mortar for use with Galvashield® discrete corrosion protection anodes. The mortar is designed to provide a low resistance environment around the anode and improved performance.

### ADVANTAGES & BENEFITS

- Easy to use, just add water
- Controlled resistivity mortar
- Portland cement based
- High pH mortar with reservoir of alkali to resist acid generation at the anode
- High bulk density
- Free of carbonaceous or other oxidizable materials

*\* As with all galvanic protection systems, service life and performance is dependent upon a number of factors including reinforcing steel density, concrete conductivity, chloride concentration, temperature, humidity and anode spacing.*

## APPLICATIONS

Galvashield® discrete corrosion protection anodes are designed to protect steel elements in a structure from corrosion. The Galvashield® Embedding Mortar is used in conjunction with the discrete anodes. The mortar is used to grout anodes in vertical or horizontal situations. It also is used to fill grooves which house the anode lead wires.

## MIXING

Galvashield® Embedding Mortar should be mixed with a slow speed drill (400/500 rpm) and paddle. Suggested mixing: add 3.2 to 4.0 litres of water to each 20 kg bag of Galvashield® Embedding Mortar. Water can be added or deleted to achieve grout consistency desired for placement. Mix for three minutes until fully homogeneous. Mix only as much grout as can be installed in 20-30 minutes.

## INSTALLATION INSTRUCTIONS

Remaining water should be blown from the drilled hole using compressed air and Galvashield® Embedding Mortar injected by hand pump to the rear of the hole to avoid air entrapment. Ensure sufficient grout is placed in the bottom of the hole to completely embed the entire active length of the Galvashield® discrete anode. The thixotropic nature of the Galvashield® Embedding Mortar will prevent significant flow from vertical and overhead holes.

Place Galvashield® Embedding Mortar within 30 minutes of mixing to gain benefit of the expansion system and allow to cure for a minimum of 24 hours, without physical disturbance.

## TECHNICAL SUPPORT

Technical support is available through Vector Corrosion Technologies.

Packaging	5kg and 20kg bags
Shelf Life	12 Months
Compressive Strength	28 N/mm <sup>2</sup>
Resistivity	5000 Ω•cm
Set Time	2 hr 45 min (Initial) 5 hr 45 min (Final)

## HEALTH AND SAFETY

Galvashield® Embedding Mortar is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles, and dust mask should be worn. If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of water and medical advice sought.

## ABOUT VECTOR

For additional information on concrete preservation and sustainability, visit [WeSaveStructures.Info](http://WeSaveStructures.Info). For additional information or technical support, please contact any Vector office or our extensive network of international distributors.

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