

**Product Data Sheet**

Edition 01/02/2011

Identification no:

01 03 02 04 001 0 000003

Sika® Sika® Galvashield® Embedding Mortar

**Sika® Galvashield® Embedding Mortar****Low Resistivity Mortar for Sika® Galvashield® Anodes****Product Description**

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

**Uses**

- Embedding Sika Sika® Galvashield® anodes in vertical and horizontal situations
- To fill grooves which contain anode wires

**Characteristics / Advantages**

- 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

**Product Data****Form****Appearance /Colours** Grey powder**Packaging** 5 kg bag**Storage****Storage Conditions/ Shelf-Life** 12 months from date of production if stored properly in original unopened, sealed and undamaged packaging in dry and cool conditions.**Technical Data****Chemical Base** Portland cement, selected aggregates and additives**Mechanical / Physical Properties****Compressive Strength** >50 N/mm<sup>2</sup>**Resistance****Resistivity (ohm.cm)** 5000

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**Application Details**

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**Consumption** A 5kg bag will be sufficient for 10-20 anodes depending on anode size and mortar thickness.

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**Application Conditions / Limitations**

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**Substrate Temperature** +5°C min. / +30°C max.

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**Air Temperature** +5°C min. / +30°C max.

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**Application Instructions**

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**Mixing and Mixing Time** Sika® Galvashield® Embedding Mortar should be mixed with a slow speed drill (400/500 rpm) and paddle. Suggested mixing: add up to 5 litres of water to each 5kg bag of Sika® 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.

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**Application Method / Tools** Any remaining water should be blown from the drilled hole using compressed air and Sika® 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 hold to completely embed the entire active length of the Sika® Galvashield® discrete anode.

The thixotropic nature of the Sika® Galvashield® Embedding Mortar will prevent significant flow from vertical and overhead holes.

Place Sika® 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.

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**Cleaning of Tools** Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.

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**Potlife** ~ 20-30 minutes (at +23°C)

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**Notes on Application / Limitations** Avoid application in direct sun and/or strong wind and/or rain.

Do not add water over recommended dosage.

Protect freshly applied material from freezing.

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### Value Base

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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### Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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### Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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### Legal Notes

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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