

## PRODUCT DATA SHEET

# Sika® FerroGard®-300 DuoCrete

### ACTIVATING MORTAR FOR HYBRID GALVANIC SYSTEM

#### DESCRIPTION

Sika® FerroGard®-300 DuoCrete mortar is used in the installation of the Sika® FerroGard® Duo Hybrid Anode range into corrosion damaged reinforced concrete. The Sika® FerroGard®-300 DuoCrete mortar is pre-mixed and packaged in a sealant tube and applied into pre-drilled holes in the concrete before the anode is inserted to generate an embedded unit.

The Sika® FerroGard®-300 DuoCrete mortar facilitates activation of the Sika® FerroGard® Duo anode units in both applied current and galvanic current modes of operation. The cure time and physical properties have been designed to simplify installation and optimise performance.

#### USES

Sika® FerroGard®-300 DuoCrete may only be used by experienced professionals.

- Used exclusively with Sika® FerroGard® Duo hybrid anodes.
- Activates the hybrid anodes in both applied current and galvanic modes of operation.

#### CHARACTERISTICS / ADVANTAGES

- Specially formulated for application.
- Pre-mixed for ease of use.
- Single component.
- Simple installation.
- Long shelf life.
- Eliminates inconsistency associated with on-site mixing of mortars.
- Minimal site labour requirement reduces costs.
- Absence of site batching minimises waste.
- Cost effective corrosion control solution.

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Lime putty
<b>Packaging</b>	380 ml cartridge, 20 units per box when order separately
<b>Shelf Life</b>	12 months from date of production
<b>Storage Conditions</b>	Stored in unopened, undamaged and original sealed packaging in dry conditions.

#### SYSTEM INFORMATION

## System Structure

Sika® FerroGard®-300 DuoCrete is used in combination with Sika® FerroGard® Duo hybrid anodes.

Other components can be used together with the hybrid anodes:

- Monitoring equipment.
- Reference electrodes such as Sika® FerroGard® MN 15.

---

## APPLICATION INFORMATION

### Ambient Air Temperature

Sika® FerroGard®-300 DuoCrete mortar shall not be applied at temperature below +5°C.

---

## APPLICATION INSTRUCTIONS

### APPLICATION

Application shall be in accordance with the Sika® FerroGard® Duo Method Statement and is summarised as follows:

Sika® FerroGard® Duo anodes are typically installed at a spacing of 350-500 mm.

Sika® FerroGard® Duo anodes are installed into pre-drilled holes of 30 mm diameter with the depth being dependent on the size of anode used. The Sika® FerroGard®-300 DuoCrete mortar is ready to use and gunned into the holes with a standard cartridge gun and must encapsulate the anode to ensure a large active surface area.

Following connection of the Sika® FerroGard® Duo anodes, a current is applied for 1 week after which time the power supply is removed and the assembly can be covered with a repair mortar.

### BASIS OF PRODUCT DATA

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.

### 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.

## ECOLOGY HEALTH AND SAFETY

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

### 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

### Sika (NZ) Limited

85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
www.sika.co.nz



### Product Data Sheet

Sika® FerroGard®-300 DuoCrete  
September 2018, Version 01.01  
020303090030000004

SikaFerroGard-300DuoCrete-en-NZ-(09-2018)-1-1.pdf