

VogaGrout G

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VOGEL SYSTEMS Technical data sheet

Date / Revised: 22.09.2022

Version: 1.0

Product: **VogaGrout FG**

Date of print 22.09.2022

1. Identification

Product identifier

VogaGrout FG

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals. Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

Company:

VOGEL SYSTEMS

Operating Division Construction Chemicals

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number

High Flowable, non-Shrinkage Cementitious Grouting Mortar

DESCRIPTION

VogaGrout FG is a cementitious, pre-mixed, pre-packed chloride and hydrogen free, high flow, pourable grout. It contains cement, selected additives, well graded and nonreactive aggregates and is designed to give excellent flow properties, shrinkage compensation, frost resistance, and high compressive strength.

APPLICATION FIELDS

VogaGrout FG is used for repair purposes of damaged or spalled concrete, repairs honeycombs, cracks and fissures.

ADVANTAGES

1. Non-shrink grout that has dual expansion properties to compensate for shrinkage in both the plastic and hardened stages.
2. Extremely dense and low permeability.
3. High early strength development allowing for rapid installation.
4. High flow can be poured or pumped into variable gap widths down to 10 mm.
5. Easy to apply, single component which require only addition of water.
6. Hydrogen and chloride free.
7. High flowable and easy self-leveling.
8. High early compressive strength.
9. Can be pumped, injected, vibrated or compacted.

USES

VogaGrout FG is ideally designed for use in machine beds, bridge bearing pads and plinths, Under machinery base plates, crane rails, stanchion plates, anchoring of tie bars, bolts, and stressing cables and underpinning.

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APPLICATION INSTRUCTIONS

▪ Surface Preparation

- The Substrate should be sound, clean and free from contamination.
- Surface Laitance should be removed by acid etching.
- All surfaces should be pre-soaked with clean water for minimum of 4 hours prior to grouting.
- Areas to be grouted should be prepared in usual way to ensure, clean sound, pre-wetted substrates.

- Mixing

- Added 2/3 of clean water on empty mixed container then added **VogaGrout FG** step by step during continuously mixing by using drilling mixer until obtain homogeneous mortar without any agglomerates then added the rest of water with mixing well for 3 minutes.
- Pour the mixed product on the required grouting place with required thickness.

- Application

- Place the grout within 5 - 15 minutes of mixing to gain the full benefit of grouting and controlled expansion process.
- Treat the grouting surface by using traditional methods for at least 18 hours after casting .
- for large scale casting, a clean aggregate and gravel can be added about 10 Kg/25 kg bag of **VogaGrout FG** .

TECHNICAL DATA

Product characteristics	
Color	Grey powder
Compressive Strength	53N/mm ² (28 days)
Density	2.1 ± 0.1 kg/L
Flexural Strength	20 N/mm ²
E- Modules	> 134 N/mm ²
Chloride Content	Nil
Bleeding	Nil
Height change @ hardened stage	Up to 0.3%
Sitting time	Initial : 7 hours Final : 12 hours

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CURING

Since **VogaGrout FG** is a cementitious material, it should be treated in a manner similar to concrete. Curing can be conducted by either using concrete curing compound such as Setseal 22 or by using wet hessian and polyethylene.

CLEANING

Tools and equipment should be cleaned, immediately after use, with Water. Once product cures, this can only be removed by mechanical means.

PACKAGING

VogaGrout FG is supplied in pre-weighed sack of 25 kg.

STORAGE

Twelve months in its unopened original packaging. Store in a cool, dry and covered place, protected from moisture , frost and direct sunlight,with temperatures between 5 °C and 30 °C.