

VogaGrout G

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VOGEL SYSTEMS Technical data sheet

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Product: **VogaGrout G**

Date of print 22.09.2022

1. Identification

Product identifier

VogaGrout G

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

General purpose non-shrink cementitious grout

DESCRIPTION

VogaGrout G is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimising water demand. The low water demand ensures high early strength. The graded filler is designed to assist uniform mixing and produce a consistent grout.

APPLICATION FIELDS

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

ADVANTAGES

- 1.Excellent weathering resistance.
- 2.Rust inhibiting properties since it does not contain calcium chloride.
- 3.Non-shrink, non-toxic & non-flammable.
- 4.Can be used for filling voids or holes in floors.
- 5.Reduces rate of diffusion of carbon dioxide & chlorides.
- 6.No metallic iron content to cause staining.
- 7.Prepackaged material overcomes potential on-site batching variations.
- 8.High ultimate strength and low permeability ensure the durability of the hardened grout.

USES

VogaGrout G is general purpose grouting used where it is essential to eliminate shrinkage when completely filling the void between a base plate and a substrate. Such an application would be the grouting of a stanchion and machinery base plates. **VogaGrout G** can also be used for anchoring a wide range of fixings. These include masts, anchor bolts, fence posts and around pipe sleeves.

APPLICATION INSTRUCTIONS

▪ Surface Preparation

- 1. Concrete surface :** The substrate surface must be free from oil, grease or any loosely material.
- 2. Pre-soaking :** For a minimum of 2 hours prior to grouting, the area of cleaned substrate should be flooded with fresh water. Immediately before grouting takes place.
- 3. Base plate :** Must be clean and free from oil, grease or scale.
- 4. Levelling shims :** Must be removed after the grout has hardened.

- Mixing

- For best results, we should use a mechanically powered grout mixer.
- pour approx ¼ of the mixing water into the mixer and add **VogaGrout G** gradually trying to avoid making lumps, then pour the rest of water and mix 3 minutes until consistency obtained

- Application

- **VogaGrout G** can be placed in thickness up to 100 mm in a single pour when used as an underplate grout.
- For thicker thickness it is necessary for full out **VogaGrout G** with well graded slit free aggregate to minimize heat build up .typically a 10 mm aggregate is suitable. continuous grout flow is essential. Sufficient grout must be prepared before starting. the time taken to pour a batch must be regulated to the time to prepare the next one.

TECHNICAL DATA

Product characteristics	
Color	Grey Powder
Compressive Strength	45-50 N/mm ² (28days)
Density	2.1 ± 0.1 kg/L
Flexural Strength	6-8mN/mm ²
E- Modules	25000 N/mm ²
Chloride Content	Nil
Bonding strength to concrete	1.91 N/mm ²
Pot life at 25 °C, (hours)	30 min
Specific gravity	42 ±2 %

CURING

Allow **VogaGrout G** to cure for at least 5 days at 20 °C and 50% R.H before putting into service to heavy traffic. Applications at lower temperatures, high humidity and/or poor ventilation conditions require longer drying and curing times.

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 G 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.