

Technical Data Sheet

StoCrete Shear Key Grout

Grout for joints between slabs



Characteristics

- Area of application**
- To provide heavy duty joints filling between hollow core slabs after installation
 - For concrete repair and void filling

- Properties**
- Positive expansion to ensure effective contact and support
 - Consistent flow characteristics to allow ease of application
 - Rapid strength development to ensure minimal downtime
 - Reliable factory controlled quality formulations eliminating site batching errors
 - Iron-free eliminating staining or deterioration due to rust expansion
 - Chloride-free permitting use in contact with reinforced steel

- Application method**
- Apply by manual pouring

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Compressive strength (Flowable) @ 28 days	ASTM C942	≥ 25 N/mm ²	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

- Preparation**
1. All concrete surfaces to be grouted must be sound, clean and free from oil, grease, laitance or any other loose adhering particles.
 2. Formworks shall be sufficiently tight-fitting and sealed against leakages.
 3. Non-absorbent formwork is preferred; otherwise, it should be properly oiled to prevent grout adhesion.
 4. Thoroughly wet all surfaces prior placement and remove any excess water just before introducing the grout.

- Material Preparation**
1. Pour 7.2 litres of clean potable water into a mixing container.
 2. With the mixer running, slowly add in the total content of the grout.
 3. Mix continuously for about 3-5 minutes until a smooth and even consistency is obtained.
 4. Flow consistency should be checked and care should be taken to ensure the grout will not bleed.

- Placing Procedure**
- Placing
1. The mixed grout should be placed promptly before it stiffened. Higher temperature will accelerate working time.
 2. Pour grout from one side only to avoid air entrapment.
 3. Adequate grout head must be maintained at all time to achieve a continuous flow.

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Curing

As soon as the surface sheen disappears and the grout has begun to stiffen, water pond or cover with damp hessian, plastic sheet or other approved means such as Sto curing compound to prevent premature drying.

Application

Yield One 40 kg bag of StoCrete Shear Key Grout will yield approximately 0.0280 – 0.0290 m³ of fluid grout.

Consistency on mixing	Water content (litres / 40 kg bag)
Trowellable	7.2

Application Temperature

Minimum application temperature + 8°C
Maximum application temperature + 45°C

Cleaning Tools

Tools can be cleaned immediately after use with water.

Delivery

Packing StoCrete Shear Key Grout is available in 40 kg bag.

Storage

Storage Life & Condition This product has a shelf life of 12 months from the manufacturing date. Product should always be stored in an unopened bag, dry place, protected from rain, direct sunlight and raised off the floor.

Special notes

Health & Safety Please refer to Safety Data Sheet

Technical Support

Please consult the local sales office for further information and any site assistance required.

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.

Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on www.sto-sea.com.

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