

# Technical Data Sheet

## StoCrete AEG

Expanding and plasticising grout admixture



### Characteristics

#### Area of application

- Bed grouting
- Grouting of post-tensioned cable duct
- Grouting joints of precast concrete units
- For void filling and general repair work
- For non-shrink infilling and jointing

#### Properties

- Allows shrinkage compensation through a gaseous expansion system
- Low water/cement ratio increase fluidity for easy placement
- Plasticisation giving low permeability and higher durability
- Iron-free eliminating stain, corrosion and rust expansion
- Chloride-free permitting for use in contact with reinforced steel

### Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Compressive Strength @ 28 days	ASTM C109 : 92	50 N/mm <sup>2</sup>	
Flow Consistency	BS EN 447 : 96	≤ 25 secs	
Bleeding @ 3 hours	BS EN 447 : 96	< 2.0 %	

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

Concrete surfaces or duct to be grouted must be sound, clean and free from oil, grease, laitance or any other loose adhering particles. Pre-wet before grouting.

### Application

#### Application temperature

Lowest application temperature: +8°C  
Highest application temperature: +45°C

#### Consumption

Type of application

200 grams of StoCrete AEG is to be used per 50 kg of cement.

Mix Design :

Cement	50 kg
Water	20 – 22.5 litres
StoCrete AEG	200 grams
Approx. Yield	35 – 36 litres
*Strength will varies on different brand of cement used	

Material consumption/mix design depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project

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<b>Application method</b>	Apply using grout pump
<b>Material Preparation</b>	<p>For best result of mixing, always use mechanically powered grout mixer. Place the required amount of water into the mixer.</p> <p>With the mixer running, slowly add in the neat cement (and sand, if required) and mixed until even consistency, then add-in StoCrete AEG.</p> <p>Do not overdose StoCrete AEG as it will increase expansion and cause frothing. Mix continuously for approximately 3 mins until a smooth, even consistency is obtained.</p>
<b>Placing Procedure</b>	Grout should be placed immediately after mixing for maximum benefit. Unrestrained surface of the grout should be kept to a minimum.
<b>Curing</b>	As soon as the surface sheen disappear 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.
<b>Cleaning the tools</b>	Tools must be cleaned immediately after use with clean water.
<b>Notes, recommendations, special information, miscellaneous</b>	Please consult the local sales office for further information and any site assistance required.

### Delivery

Packaging	Name	Packing
	StoCrete AEG	20 kg bag (100 x 200 g sachet)
	StoCrete AEG	24 kg bag

### Storage

<b>Storage conditions</b>	Store in cool dry conditions; avoid direct sunlight.
<b>Storage life</b>	This product has a shelf life of 6 months from the manufacturing date.

### Identification

<b>Product group</b>	Mortar and Grout
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<b>Safety</b>	Please refer to Safety Data Sheet.
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### Special Notes

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](http://www.sto-sea.com).

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\*Product images may differ from the actual product.