



KSE 500 STE

Binder in the KSE module system.

Elasticised stone strengthener on a silicic acid ethyl ester (KSE) base with a high gel deposition rate. Contains pure mineral, suspended particles

Availability		
Quantity per pallet	360	240
Size / Quantity	1 l	2,5 l
Type of container	Tin canister	Tin canister
Container code	01	03
Art. no.		
0713	■	■

Application rate

Determined on the basis of the individual application.
(see technical guidelines for KSE module system).



Range of use

- Backfilling compounds
- Cementing and battering mortars
- Scumbles and grouts



Property profile

- Contains soft segments for a more flexible silica gel
- Good stress-strain behaviour thanks to larger, low-stress silica gel bridges
- Gel deposition rate: approx. 50%
- Non-hydrophobising

Characteristic data of the product

■ On delivery

Density (20 °C)	1.02 g/cm ³
Active ingredient content	approx. 75% by mass
Odour	typical
Catalyst system	neutral
Colour	cloudy, may have a slight yellow tinge

■ Following application

By-products caused by the reaction	Ethanol (escapes)
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The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Additional information

- [Guidelines for KSE module system](#)
- [Method for determining strength profiles](#)
- [Control of gel deposition rates and penetration depths](#)

Possible system products

- [KSE Filler A \(0571\)](#)
- [KSE Filler B \(0572\)](#)
- [Quartz Sand F 36 \(0570\)](#)
- [V KSE \(0657\)](#)
- [KSE 100 \(0719\)](#)
- [KSE 300 \(0720\)](#)

Preparation

- **Substrate requirements**
The substrate must be clean, dust-free and dry.



- **Substrate preparation**
Any construction defects such as cracks, cracked joints, defective connections, rising damp and hygroscopic moisture must be remedied in advance.
Perform any necessary cleaning gently, e.g. by spraying with cold or warm water or by steam-cleaning; use rotec soft whirl jet technology or Remmers cleaning products (e.g. Traffic Film Remover (0671), Clean FP (0666), Clean AC (0672), Combi WR (0675)) on tough stains.
To avoid material loss of the substrate, an initial strengthening with KSE 100 or an other suitable strengthener can be carried out before any cleaning measure.
The absorbency of the substrate must be reduced by applying a fresh coat of primer (e.g. V KSE, KSE 100, KSE 300).

Directions

Shake/stir KSE 500 STE thoroughly before use.
Tips on use and suggested formulations for the compounds in question can be found in the technical guidelines for the KSE module system.



Tips on use

Take appropriate measures to protect adjacent building elements and materials that should not come into contact with the product.
Protect freshly treated surfaces from driving rain, wind, sunlight and condensation.

Notes

Deviations from applicable regulations must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.
Carry out a quantitative analysis of aggressive salts if there are any salts present that could damage building materials.
High concentrations of harmful salts can cause major structural damage that impregnation cannot prevent.
Residue (e.g. surfactants, wax) from previous cleaning measures can have adverse effects on the treatment and must therefore be completely removed.

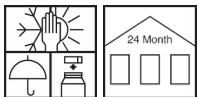
Tools / Cleaning

Syringe, spatula, filling knife, paintbrush

Tools must be clean and dry.
After use and before prolonged interruptions of work clean tools with Thinner V 101.
Ensure that any residue from cleaning is disposed of correctly.

- Remmers tools
- [Gloria CleanMaster PERFORMANCE PF 50 \(4666\)](#)
 - [Gloria CleanMaster EXTREME EX 100 \(4665\)](#)

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 24 months.
Use the contents of open containers as quickly as possible.
After every use, close containers so that they are air-tight, since silica gel reacts with moisture (in the air).

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with at least an A/P2 combination filter must be worn during spraying, together with safety goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.