

# Restoration Plaster E “Fast” Grey

## Fast setting restoration plaster for renovating salt-damaged and moisture-penetrated masonry

### Features

KÖSTER Restoration Plaster E “Fast” Grey is a fast setting, salt-resistant, pressure-resistant restoration plaster for the simple restoration of even heavily moisture and salt burdened substrates. Due to its high porosity and its hydrophobicity, KÖSTER Restoration Plaster E “Fast” Grey permits the damage-free drying and de-salting of masonry even in cases of high salt burdens. The material is free of lightweight fillers and therefore does not require any further surface treatment prior to the application of paints or wallpapers.

### Technical data

Air void content (fresh mortar)	> 28 vol-%
Compressive strength	> 3.1 N / mm <sup>2</sup>
Flexural tensile strength	approx. 1.2 N / mm <sup>2</sup>
Porosity	> 40 vol-%
Starts to set	after approx. 30 minutes

### Field of application

KÖSTER Restoration Plaster E “Fast” Grey is designed for the repair of moisture and salt-damaged masonry, especially after installation of a horizontal barrier. It is especially suited for use in the “KÖSTER Fast Renovation System”. The fast setting time makes this plaster ideal for small area sealing and renovating tasks where a rapid sequence of work steps is required in order to rationalise the workflow. The plaster is suited for masonry with all moisture and salt contents. It can also be used for the reduction of condensate build up after waterproofing rooms with high humidity using mineral sealing slurries. KÖSTER Restoration Plaster E “Fast” Grey can also be used as a decorative, water-repellent exterior plaster. In this case, it is recommended to first apply a plaster made of KÖSTER Repair Mortar to the base area up to 30 cm above ground level.

### Substrate preparation

KÖSTER Restoration Plaster E “Fast” Grey can be applied to brickwork, blockwork, natural stone, vertically perforated brick, mixed masonry and surfaces coated with sealing slurries. Prior to the plastering with KÖSTER Restoration Plaster E “Fast” Grey, the substrate is primed with KÖSTER Polysil® TG 500 (min.

consumption 120 g / m<sup>2</sup>, in case of strongly absorbent substrates up to 250 g / m<sup>2</sup>). Loose particles and salt efflorescence have to be removed mechanically beforehand.

### Application

Directly after priming the substrate with KÖSTER Polysil® TG 500, a plaster key made from KÖSTER Restoration Plaster E “Fast” Grey and KÖSTER SB Bonding Emulsion “Concentrate” (diluted 1:3 with water) is applied. The layer thickness should be min. 5 mm at an area-coverage of 50 %. (consumption: approx. 3.5 – 4.0 kg / m<sup>2</sup>). After a setting time of the plaster key of approx. 30 – 60 minutes, the covering layer of KÖSTER Restoration Plaster E “Fast” Grey is applied. KÖSTER Restoration Plaster E “Fast” Grey is mixed using a compulsory mixer with approx 4.8 to 5.0 l of water per bag into an easily processible mortar.. The plaster is usually applied in one layer with a total layer thickness of 1 to 2 cm. On areas which were waterproofed from the negative side, the min. layer thickness is 1 cm. After casting the plaster onto the wall, it is levelled with a metal float. After sufficient setting, the plaster is smoothed. KÖSTER Restoration Plaster E “Fast” Grey can be smoothed after a setting time of approx. 60 minutes, dependant on humidity and temperature.

### Consumption

Approx. 12 kg / m<sup>2</sup> per cm of layer thickness

### Cleaning of tools

Clean tools immediately after use with water.

### Packaging

30 kg bag

### Storage

Store the material in a dry place; in originally sealed bags, it can be stored for approx. 12 month.

### Technical guidelines cited

KÖSTER SB Bonding Emulsion „Concentrate“	Art.-No.	2.11
KÖSTER Polysil® TG 500	Art.-No.	4.011
KÖSTER Repair Mortar	Art.-No.	5.030

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.