

# Keim Restauro® Grund

## Base Mortar

### Natural Stone Replacement

#### Product description

Mineral dry bagged restoration mortar with hydraulic binders.

#### Field of application

KEIM Restauro-Grund is a natural stone replacement material for lining deep areas of damage (> 2 cm) und a core material for Open form casting.

#### Product properties

##### Material characteristics acc. to WTA leaflet 3-11-97/D

Bulk density:	approx. 1.34 g/cm <sup>3</sup>
Water consumption:	approx. 0.14 l/kg
Working time:	at most 45 min
Setting time:	approx. 4 h
Compressive strength:	approx. 29 N/mm <sup>2</sup>
Bending tensile strength:	approx. 8 N/mm <sup>2</sup>
Thermal dilatation:	pprox. $6 \times 10^{-6} (1 / K)$
Hygic dilatation:	approx. 1,0 mm/m

#### Colour shade

Brown

#### Packaging

30 kg sacks

#### Application instructions

##### Application temperature

Ambient und substrate temperature must not fall below +5°C.

##### Substrate preparation

###### Hacking out:

Defective natural stone which is to be repaired with KEIM Restauro should be hacked back to a sound base using an indented chisel or similar tools. Especially on flat areas of natural stone, a box-shaped recess should be formed when hacking back to provide a good key for the restoration mortar.

###### Reinforcement:

Supporting reinforcement may be required for protruding natural stone features and Restauro reinforcement materials should be used for this purpose.

###### Cleaning:

Any stone dust must be carefully removed from the areas to be repaired with compressed air or with clean water and a brush.

###### Prewetting:

The restoration mortar must only be applied onto a moist substrate. Adequate prewetting is thus absolutely essential. Remove any excess water with a sponge.

#### Application

##### Mixing:

KEIM Restauro-Grund is mixed with water only, approx. 4.0 l per 30 kg. Use a mixer or compulsory mixer for larger quantities. After a maturing period of 5 minutes, the mortar should be of a consistency suitable for application by throwing.

##### Application:

The matured mortar is thrown into the hacked back und prewetted damaged area, only filling the cavity up to approx. 2 cm beneath the original stone surface. Total layer thickness must not exceed 5 cm per application. Protect freshly applied mortar from sun, wind und rain.

##### Consumption

Approx. 20 kg/m<sup>2</sup> at a layer thickness of 1 cm.

##### Finishing

Once the base mortar has set, roughen the surface und allow at least 1 day to elapse before further finishing operations.

##### Cleaning of tools

Clean with water immediately after use.

##### Storage

12 months in a closed sack under dry conditions.

##### Hazardous substances

Xi	Irritant
R38:	Irritating to the skin.
R41:	Risk of serious damage to eyes.
S2:	Keep out of reach of children.
S22:	Do not breathe dust.
S24/25:	Avoid contact with skin und eyes.
S26:	In case of contact with eyes, rinse immediately with plenty of water und seek medical advice.
S37/39:	Wear suitable gloves und eye/face protection.
S46:	If swallowed, seek medical advice immediately und show this container or label.

##### Transport hazard class

Not applicable

##### Disposal

EC Waste Code no. 17 01 01  
Any residues must be emptied out of sacks before recycling.  
Solidify any residual material with water and, after consulting the relevant authorities, dispose of in a building material landfill site.



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### **Safety instructions**

Provide appropriate protection for surfaces which are not to be treated. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Protect the eyes und skin from splashes. When using, do not eat, drink or smoke. Keep out of reach of children.

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