



## TECHNICAL DATA SHEET

# KEIM RESTAURO<sup>®</sup>-GIESS

## 1. PRODUCT DESCRIPTION

Mineral dry bagged restoration mortar with hydraulic binders.

## 2. FIELD OF APPLICATION

KEIM Restauro-Gieß is a natural stone replacement material for the reinstatement of stone architectural details and figures by open or closed form casting.

## 3. PRODUCT PROPERTIES

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

- Bulk density: approx. 1.55 g/cm<sup>3</sup>
- Water consumption: approx. 0.17 l/kg
- Working time: at most 45 min
- Setting time: > 8 h
- Compressive strength: approx. 42 N/mm<sup>2</sup>
- Bending tensile strength: approx. 9 N/mm<sup>2</sup>
- Modulus of elasticity: approx. 26.0 KN/mm<sup>2</sup>
- Thermal dilatation approx.  $5 \times 10^{-6}$  (1/K)
- Hygric dilatation  $0,9 \times 10^{-3}$  (mm/m)

### Colour shade:

Standard shades in accordance with natural stone colour swatches or special shades to match stone sample. All shades can be mixed with one another. Colour shades are adjusted for cast surfaces which have not been further finished. Slight variations in shade due to differing setting conditions cannot be ruled out.

## 4. APPLICATION INSTRUCTIONS

### Application temperature:

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

### Mixing:

KEIM Restauro-Gieß is mixed with water only, approx. 5 l per 30 kg. Use a mixer or compulsory mixer for larger quantities. After a maturing period of 5 minutes, the mortar should flow readily.

### Casting:

Silicone rubber moulds are used for reproducing shapes. At least 48 hours must elapse before removing the casting from the mould.

### Finishing:

At least 8 days must elapse before finishing using masonry techniques is possible. It should be noted that such work generally results in a lighter colour shade.

### Consumption:

Approx. 2.2 kg/l

### Cleaning of tools:

Clean with water immediately after use.

## 5. PACKAGING

30 kg sacks

## 6. STORAGE

12 months in a closed sack under dry conditions.

## 7. 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.



### 8. SAFETY INSTRUCTIONS

Giscode: ZP 1

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 and skin from splashes. When using, do not eat, drink or smoke. Keep out of reach of children.

Please refer to EC Safety Data Sheet.

The stated values and properties are the result of extensive development work and practical experience. Our recommendations for application, whether given verbally or in writing, are intended to provide assistance in the selection of our products and do not establish a contractual relationship. In particular, they do not release those purchasing and applying our products from the duty of establishing for themselves, with due care, the suitability of our products for the intended application. Standard building industry practices must be complied with. We retain the right to make modifications to improve the products or their application. This edition supersedes all earlier editions.



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