



## TECHNICAL DATA SHEET

# KEIM RESTAURO-GIESS®

## 1. PRODUCT DESCRIPTION

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Mineral restoration dry mortar with hydraulic binders.

## 2. FIELD OF APPLICATION

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KEIM Restauro-Giess is a natural stone substitute for replicating figures and components by pouring open or closed moulds.

## 3. PRODUCT PROPERTIES

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- very robust surface
- mineral
- very high strength
- fire behaviour: non-flammable (A1)
- titanium dioxide-free

### MATERIAL CHARACTERISTICS:

#### CLASSIFICATION:

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|--|-----------------------------|
| - Classification according to:                               | DIN EN 998-1                |
| - Compressive strength (28d):                                | ≥ 42 N/mm <sup>2</sup>      |
| - Compressive strength category:                             | CS IV ≥ 6 N/mm <sup>2</sup> |
| - Adhesive tensile strength:                                 | ≥ 0,08 N/mm <sup>2</sup>    |
| - Fracture pattern Adhesive tensile strength:                | A,B,C                       |
| - Standard Adhesive tensile strength<br>DIN EN 1015-12:      | DIN EN 1015-12              |
| - Water absorption class:                                    | W0                          |
| - Standard Water absorption DIN EN<br>1015-18:               | DIN EN 1015-18              |
| - Thermal conductivity λ <sub>10,dry,mat</sub> for<br>P=50%: | 0.82 W/(mK)                 |
| - Thermal conductivity λ <sub>10,dry,mat</sub> for<br>P=90%: | 0.89 W/(mK)                 |
| - Water vapour diffusion resistance<br>value (μ-value):      | ≥ 25                        |

#### COLOUR SHADES:

Standard colour shades according to the following colour swatches:

KEIM Natural Stone All colour shades can be mixed with each other. The colour shades are matched to cast, unfinished surfaces. Slight colour deviations – due to different curing conditions – cannot be ruled out.

#### **4. APPLICATION INSTRUCTIONS**

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**SUBSTRATE PREPARATION:**

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues.

**PREPARATION OF MATERIAL / MIXING & CONVEYING:**

KEIM Restauro-Giess Mix with approx. 5 L (stated per sack) clean water using a stirrer until lump-free and allow to mature briefly. Do not mix material that has already stiffened with water again under any circumstances.

**CONSUMPTION:**

approx. 2,2 kg/dm<sup>3</sup>

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

**APPLICATION:**

Moulding: Silicone resin moulds are used for moulding. The moulding of the cast parts is possible after 48 hours at the earliest.

**FINISHING:**

A stonemasonry finish is possible after 8 days at the earliest.

Note:

Nuanced colour adjustments and designs can be carried out with KEIM Restauro-Lasur.

**CLEANING OF TOOLS:**

Clean immediately with water.

#### **5. PACKAGING**

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Container content	Unit of measure	Quantity on pallet	Type of container
30	kg	30	bag

#### **6. STORAGE**

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max. storage time	Storage conditions
12 months	dry keep container tightly sealed.

#### **7. DISPOSAL**

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For disposal information refer to section 13 of the safety data sheet.

Waste code: 17 01 01

#### **8. SAFETY INSTRUCTIONS**

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Please, refer to the Material Safety Data Sheet.

### 9. GENERAL INFORMATION

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Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign additives is not permitted.

### 10. CERTIFICATES & QUALITY SEALS

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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 the purchaser and processor from the obligation to convince themselves of the suitability of our products for the intended application with due care, which is general practice in trade and crafts. The general rules of construction technology must be observed. We reserve the right to make modifications to improve the product or its application. This edition supersedes all earlier editions.