TECHNICAL DATA SHEET

KEIM RESTAURO-GIESS®

1. PRODUCT DESCRIPTION

Mineral restoration dry mortar with hydraulic binders.

2. FIELD OF APPLICATION

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

3. PRODUCT PROPERTIES

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

MATERIAL CHARACTERISTICS:

– Maximum grain size	0.7 mm

CLASSIFICATION:

– Classification according to	DIN EN 998-1
– Compressive strength (28d)	≥ 42 N/mm²
– Compressive strength category	CS IV (≥ 6 N/mm²)
– Adhesive tensile strength	≥ 0,08 N/mm²
– Fracture pattern Adhesive tensile strength	A,B,C
– Standard Adhesive tensile strength	DIN EN 1015-12
– Water absorption class	W0
– Standard Water absorption	DIN EN 1015-18
– Thermal conductivity λ10,dry,mat for P=50%	0.82 W/(mK)
– Thermal conductivity λ10,dry,mat for P=90%	0.89 W/(mK)
– Water vapour diffusion resistance value (μ-value)	≥ 25

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:
The substrate must be solid, dry, clean, sound and free from residues that may impair adhesion.

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/dm³
The information on material consumption is a guide for smooth substrates. Exact consumption figures must be determined by carrying out test areas.

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

BONDING:

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

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

6. STORAGE

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

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Refer to the safety data sheet.

GIS code: ZP 1

9. GENERAL INFORMATION

Cover surfaces not to be treated, particularly glass, ceramics and natural stone. Splashes on surrounding surfaces or traffic areas must be immediately diluted with plenty of water and removed.
Mixing with products from other systems or other external additives is not permitted.

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.

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