



TECHNICAL DATA SHEET

KEIM CONCRETE REPAIR MORTAR

1. PRODUCT DESCRIPTION

KEIM Concrete Repair Mortar is a cementitious repair mortar designed for quick repair work to concrete surfaces.

2. FIELD OF APPLICATION

KEIM Concrete Repair Mortar is used for restoration of spalling and decayed concrete. The mixed mortar hardens rapidly without shrinkage or cracking. KEIM Concrete Repair Mortar can be used on its own or as part of the KEIM Concrete Repair System.

3. PRODUCT PROPERTIES

Single component, polymer modified, cement bound mortar, to be mixed with water. Low shrinkage and crack free hardening even when exposed to dynamic loads during application.

Frost resistant, resistant to de-icing salt, water impermeable, water vapour permeable, elevated carbonation resistance.

Non-flammable to DIN 4101, part 1, building material class A1.

Material characteristics

Density:	Q = 1.3kg/l ^t
Grain size:	0 to 2mm
Fresh mortar bulk density:	2.0 kg/dm ³
Compressive strength 28d:	55N/mm ²
Bending tensile strength 28d:	8.5N/mm ²
Dynamic modulus of elasticity:	32.5kN/mm ²
Shrinkage 28d:	078 mm/m
Carbonation depth:	0 mm/90 days

4. APPLICATION INSTRUCTIONS

Substrate preparation

Remove loose material and old coats mechanically or with a water pressure jet.

Application

Mix one 25kg bag of KEIM Concrete Repair Mortar with 3.6lt of clean water for at least four minutes using a mechanical mixer until the mix is the consistency of moist earth. Materials can then be applied by trowel onto a pre-wetted surface and struck off to the required finish. KEIM Concrete Repair Mortar can be over-coated with KEIM Fine Finishing Mortar if required. May be applied in thicknesses from 0.5-50mm.

Setting Time

1 day per 1 mm layer thickness.

Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

Consumption

Approximately 10kg/m² for 5mm thick repair.

The stated consumption values are for guidance and depend on the nature of the substrate and the application method. Exact consumption values can only be determined by trials on the substrate.

Cleaning of tools

Clean immediately after use with water

5. PACKAGING

25kg sacks

6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

7. DISPOSAL

EC Waste Code No. 17 01 01.

Any residues must be emptied out of containers before recycling.

8. SAFETY INSTRUCTIONS

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, natural stone, ceramics etc.). Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material 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.

