



### 1. Product description

Hydraulically binding dry bagged mortar based on cement, trass, frost resistant dolomite sand and additives. Standard render mortar acc. to DIN EN 998-1.

Strength corresponds to mortar group CS IV, P III to DIN V 18 550. KEIM Porosan-Trass-Zementputz meets WTA guidelines, leaflet 2-9-04/D, as a roughcast key coat and has been WTA certified.

### 2. Field of application

- **As roughcast key coat** (non-covering)  
KEIM Porosan-Key Coat (Trass-Zementputz) is applied as a non-covering roughcast key coat. It is used to ensure good adhesion between low-absorbency masonry and KEIM Porosan-Top Coat (Trass-Sanierputz-NP) or KEIM Porosan-Equalizer (Ausgleichsputz-NP).
- **As full cover render for underground applications, exterior walls and socles**  
KEIM Porosan-Trass-Zementputz is used as a full cover render in underground applications. In conjunction with KEIM Porosan-Blocker (Dichtungsschlämme), it provides a vertical waterproof seal for exterior and interior applications.

KEIM Porosan-Key Coat (Trass-Zementputz) may also be used as a full cover socle render up to 30 cm above soil level.

### 3. Product properties

- Grain size: 0–5 mm
- Hydraulically hardening
- Good adhesion

- Many different applications
- Elevated frost-resistance
- Resistant to water splashes and moisture

### Material characteristics to DIN EN 998-1:

- Compressive strength: approx. 6 N/mm<sup>2</sup>,  
CS IV
- Flammability: A1
- Water vapor permeability  $\mu$ : approx. 20
- Water absorption: W2 (water repellent to  
DIN V 18 550)
- Tensile bond strength:  $\geq 0.08$  N/mm<sup>2</sup>  
(fracture pattern A, B, C)
- Thermal conductivity:
  - <sub>10, dry</sub> :  $\leq 0.83$  W/(mK) for P = 50%\*  
 $\leq 0.93$  W/(mK) for P = 90%\*  
(\*tabular values to EN 1745)

### 4. Application instructions

#### Substrate preparation

#### • As roughcast key coat

Remove existing render (stucco) to a height of approx. 80 cm (32 inches) above the visible damage (very important!) to reveal the masonry. Immediately remove rubble containing salt from job site. Remove crumbly joint mortar to a depth of at least 2 cm (3/4 inch) and replace crumbly stones.

Thoroughly clean the masonry without using water (e.g. using a wire brush) and then remove dust (e.g. with compressed air).

#### • As full cover render for underground applications, exterior walls and socles

If possible, expose the masonry below soil level down to the foundations.



**Application**

- **As roughcast key coat**

Mix 1 sack (35 kg) of KEIM Porosan-Key Coat (Trass-Zementputz) with approx. 6 l (1.6 gal) of water using a standard mortar/render (stucco) mixing machine to produce a usable roughcast mix. Apply a crisscross, half-covering roughcast key coat by hand or machine. The masonry should still be clearly visible after application. Apply mixed mortar within 1 hour.

- **As full cover render for underground applications, exterior walls and socles**

Mix 1 sack (35 kg) of KEIM Porosan-Key coat (Trass-Zementputz) with approx. 5 l (1.3 gal) of water using a standard mortar/render (stucco) mixing machine to produce a usable mortar/render. Apply over whole surface by hand or machine, level and, once the render has hardened, finish using a very small amount of water.

**Post-treatment**

none

**Setting times**

The stated setting times are dependent on ambient temperature, the consistency of the mix and the absorption characteristics of the substrate, and generally amount to

- Roughcast key coat, 1 - 2 day's maximum. In case of longer setting times or under unfavorable conditions sinter layers may form which must be removed.
- Underground applications for exterior walls and socles, At least 2 days after application KEIM

Porosan-Blocker (Dichtungsschlämme) may be applied.

**Consumption**

- **Roughcast key coat**

1 sack containing 35 kg = approx. 26 l (6.9 gal) of wet mortar

1 sack is sufficient for approx. 7 m<sup>2</sup> of roughcast key coat.

- **Full cover mortar/render (stucco)**

1 sack containing 35 kg = approx. 22 l (5.8 gal) of wet mortar

1 sack is sufficient for approx. 2.2 m<sup>2</sup> (23.5 sq.ft.) with a layer thickness of 1 cm (3/8 inch).

**Application conditions**

Minimum substrate and ambient temperature: +5°C (41°F). Do not apply if an overnight frost is expected.

**5. Packaging**

35 kg (77 lb) sacks, 36 sacks per pallet

**6. Storage**

Shelf life is 12 months under dry conditions (on wooden lattice).

**7. Hazardous substances ordinance class**

Xi Irritant,

R 38: Irritating to the skin.

R 41: Risk of serious damage to the eyes.



- S 2: Keep out of reach of children.  
S 22: Do not breathe dust.  
S24/25: Avoid contact with skin and eyes.  
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 37/39: Wear suitable gloves and eye/face protection.  
S 46: If swallowed, seek medical advice immediately and show this container or label.

## 8. Transport hazard class

n/a

## 9. Disposal

EC Waste Code no. 17 01 01.  
Do not allow the product to enter the sewer system. Solidify any residual material with water and dispose of in a building material landfill site. Empty sacks should be disposed of in accordance with official regulations.

## 10. Safety instructions

The mineral binder is alkaline. Protect surfaces which are not to be treated by covering. Any splashes on surrounding surfaces must be rinsed off immediately with plenty of water. Protect the eyes and skin from splashes. Keep out of reach of children.

Giscode: ZP 1

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.

