



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-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-Trass-Sanierputz-NP or KEIM Porosan-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-Dichtungsschlämme, it provides a vertical waterproof seal for exterior and interior applications.

KEIM Porosan-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 data to DIN EN 998-1

- Compressive strength $\geq 6 \text{ N/mm}^2$ CS IV
- Flammability: A1
- Water vapour permeability μ : approx. 20
- Water absorption: W2 (water repellent to DIN V 18 550)
- Adhesive tensile strength: $\geq 0.08 \text{ N/mm}^2$
(fracture pattern A, B, C)
- Thermal conductivity
 $\lambda_{10, \text{dry}}$: $\leq 0,83 \text{ W/(mK)}$ for P = 50%*
 $\leq 0,93 \text{ W/(mK)}$ for P = 90%*
(* tabular values acc. to EN 1745)

4. Application instructions

Substrate preparation

- as roughcast key coat
Remove existing render to a height of approx. 80 cm above the visible damage (very important) to reveal the masonry. Immediately remove rubble containing salt. Remove crumbly joint mortar to a depth of at least 2 cm 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-Trass-Zementputz with approx. 6 l of water using a blunger or standard mortar/render mixing machine to produce a usable roughcast mix. Apply a criss-cross, 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-Trass-Zementputz with approx. 5 l of water using a blunger or standard mortar/render 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

- 1 - 2 days for a roughcast key coat. In case of longer setting times or under unfavourable conditions sinter layers may form which have to be removed.
- at least 2 days for underground applications, exterior walls and socles. After that KEIM Porosan-Dichtungsschlämme may be applied.



Application temperature

Minimum object and application temperature: +5°C.
Do not apply if an overnight frost is expected.

Consumption

- roughcast key coat
1 sack containing 35 kg = approx. 26 l
of wet mortar
1 sack is sufficient for approx. 7 m² of roughcast
key coat.
- full cover socle render
1 sack containing 35 kg = approx. 22 l
of wet mortar
1 sack is sufficient for approx. 2.2 m² with a layer
thickness of 1 cm.

5. Packaging

35 kg sacks

6. Storage

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

**7. Hazardous substances
ordinance class**

Xi	Irritant
R38:	Irritating to the skin.
R41:	Risk of serious damage to eyes.
S2:	Keep out of reach of children.
S22:	Do not breathe dust.
S24/25:	Avoid contact with skin and eyes.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39:	Wear suitable gloves and eye/face protection.
S46:	If swallowed, seek medical advice immedi- ately and show this container or lable.

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 has an alkaline action. 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.