



### 1. Product description

Dry bagged mortar based on trass, lime, frost-resistant sand, cement and additives for establishing the necessary properties. Standard render mortar to DIN EN 998 1. Strength corresponds to mortar category CS II or P II to DIN V 18550.

Complies with WTA data sheet 2-9-04/D "Restoration render systems" as a levelling and porous base render within the Porosan restoration render system and has been WTA certified.

### 2. Area of application

KEIM Porosan-Ausgleichsputz-NP is used as a base render in the renovation of interior and exterior salt-damaged rendered surfaces as part of the Porosan restoration render system

- to level off uneven areas
  - to achieve total render thicknesses of over 40 mm
  - as a porous base render as per WTA data sheet.
- For the field of application of the restoration render system overall, see KEIM Porosan-Trass-Sanierputz-NP and KEIM Porosan-HF-Sanierputz technical data sheets.

### 3. Product properties

- Grain size: 0–4 mm
- Porosity: > 45%
- WTA-certified, mineral base render with high salt retention capacity
- Automatic air entraining properties ensure high porosity resulting in high diffusion rate and good drying capacity
- Applicable by machine
- Low stress due to coarse grain size
- High stability even with relatively thick layers

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

- Compressive strength: approx. 4–5 N/mm<sup>2</sup>, CS II
- Flammability: A 1
- Water vapour permeability  $\mu$ : approx. 8
- Water absorption: > 1.0 kg/m<sup>2</sup> after 24 h, corresponding to WTA requirements
- Water absorption class: W2
- Tensile bond strength:  $\geq 0.08$  N/mm<sup>2</sup>  
(fracture pattern A, B, or C)

- Thermal conductivity:

$\lambda_{10, \text{dry}}$ :	$\leq 0.83$ W/(mK) for P = 50%*
	$\leq 0.93$ W/(mK) for P = 90%*
	(* tabular values to EN 1745)
$\lambda_R$ :	1.0 W/(mK)
	(* tabular value to DIN V 4108)

### 4. Application instructions

#### Substrate preparation

Remove existing salt laden render to at least 80 cm above the visible damage (very important) to reveal sound 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).

Prewet highly absorbent masonry.

Apply a criss-cross roughcast key coat with KEIM Porosan-Trass-Zementputz to non-absorbent masonry or quarrystone work in such a way that the masonry is still readily visible afterwards (approx. 50–70% cover).

#### Consumption:

Material usage:	approx. 1.2 kg/m <sup>2</sup> •mm
Water usage:	6–7 l/sack or 170–200 l/t
Yield:	1 sack produces approx. 29 l of wet mortar

#### Mixing

KEIM Porosan-Ausgleichsputz-NP is prepared using conventional mixing pumps (for example P.F.T. G4, G5, Putzknecht S 48, m-tec M3) without postmixers and without air entraining screw jackets. Free fall mixers, compulsory mixers and other mixers which produce elevated air contents are not suitable. When handmixing, use a blunger and mix for no longer than 2 minutes.

Stir mortar to a pliable, stable consistency and apply to render substrate. Do not remix material once stiffened. Do not add any third-party additives.

#### Multilayer rendering

Indentations and holes should be filled with KEIM Porosan-Ausgleichsputz-NP and other uneven areas should be levelled with a layer of KEIM Porosan-Ausgleichsputz-NP at least 10 mm thick. Apply in several layers if a thickness of greater than 20 mm is required or in other unfavourable circumstances. Roughen surface well and observe setting time

(1 day per mm of thickness). Before applying further layers of render, brush off any salts that have penetrated through to the surface in the meantime without using water.

The render is built up further with KEIM Porosan-Trass-Sanierputz-NP or KEIM Porosan-HF-Sanierputz according to the appropriate Technical Data Sheets

### Application conditions

Do not apply in high air temperatures, strong wind or rain, nor at air and wind temperatures below + 5°C.

### Post-treatment

KEIM Porosan-Ausgleichsputz-NP should be protected from sun and wind to prevent it from drying out too rapidly and, if necessary, should be kept moist.

### Note

In damp rooms (rel. atmospheric humidity of over 65%), the atmospheric humidity must be reduced low enough, by careful heating and ventilation or dehumidification, for the base render to be able to dry out within 10 days.

## 5. Packaging

35 kg sacks, 36 sacks per pallet = 1.26 t

## 6. Storage

Shelf life is 12 months under dry conditions (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 inhale dust.  
 S 24/25: 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 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

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