



## TECHNICAL DATA SHEET

# KEIM POROSAN®-AUSGLEICHSPUTZ-NP

## 1. PRODUCT DESCRIPTION

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Dry mortar based on trass, lime, frost-resistant sand, cement and additives to adjust the required properties. Normal plaster mortar according to DIN EN 998-1. The strength corresponds to mortar category CS II or P II according to DIN V 18550. Complies with the requirements of the WTA data sheet 2-9-04/D "Restoration plaster systems" as a levelling and pore base plaster in the Porosan restoration plaster system and has been certified by the WTA.

## 2. FIELD OF APPLICATION

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KEIM Porosan-Ausgleichsputz-NP is used in the Porosan Restoration Plaster System for the restoration of salt-damaged plaster surfaces indoors and outdoors as a base plaster for levelling out unevenness, for achieving total plaster thicknesses of more than 40 mm, and as a pore base plaster in accordance with the WTA data sheet. For the application range of the restoration plaster system as a whole, see the technical data sheet KEIM Porosan-Trass-Sanierputz-NP or the technical data sheet KEIM Porosan-HF-Sanierputz.

## 3. PRODUCT PROPERTIES

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- good machine processability
- very good stability
- low stress
- permeable
- fire behaviour: non-flammable (A1)

### MATERIAL CHARACTERISTICS:

- Maximum grain size: 4 mm

### CLASSIFICATION:

- Classification according to: DIN EN 998-1
- Plaster type: R
- WTA certified according to: WTA Merkblatt 2-9-20
- Compressive strength category: CS II 1,5 -5,0 N/mm<sup>2</sup>
- Test standard compressive strength: DIN EN 1015-11
- Adhesive tensile strength:  $\geq 0,08$  N/mm<sup>2</sup>
- Fracture pattern Adhesive tensile strength: A,B,C
- Test standard Adhesive tensile strength: DIN EN 1015-12
- Water absorption class: W2
- Test standard Water absorption: DIN EN 1015-18
- Porosity:  $\geq 45$  %
- Water absorption WTA after 24 h on panes:  $\geq 0,3$  kg/m<sup>2</sup>
- Water penetration WTA after 24 h tested on panes:  $\leq 5$  mm
- Water vapour diffusion resistance value ( $\mu$ -value):  $\leq 15$

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## COLOUR SHADES:

grey

## 4. APPLICATION INSTRUCTIONS

### APPLICATION CONDITIONS:

Ambient and substrate temperature  $\geq 5$  °C during application and drying. Do not apply in direct sunlight or on sun-heated substrates. Protect surfaces from direct sun, wind and rain during and after application.

### PREPARATION OF MATERIAL / MIXING & CONVEYING:

Application can be performed by hand or by machine. Manual application: Mix KEIM Porosan-Ausgleichsputz-NP with approx. 4,3 - 5 l of clean water per bag with a power stirrer to a stiff-plastic consistency without lumps and allow to mature briefly. Do not mix longer than 2 minutes. Machine application: KEIM Porosan-Ausgleichsputz-NP can be processed with common mixing pumps (e.g. PFT G4, G5 Putzknecht S48, 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. Under no circumstances should material that has already stiffened be remixed with water.

### LAYERING SYSTEM:

Fill depressions, holes with KEIM Porosan-Ausgleichsputz-NP, level other unevenness with a layer of KEIM Porosan-Ausgleichsputz-NP with at least a thickness of 10 mm. If the required thickness exceeds 25 mm or under other unfavourable conditions, apply several layers. Roughen the surface well and allow to stand. Dry sweep off any salts that have penetrated the surface in the meantime before continuing with the plaster structure. Further plaster application is carried out with KEIM Porosan-Trass Sanierputz-NP or KEIM Porosan-HF-Sanierputz in accordance with the relevant technical data sheets.

### AFTERTREATMENT:

KEIM Porosan-Ausgleichsputz-NP must be protected from drying out too quickly due to sun or wind, or kept moist if necessary. In damp rooms (rel. humidity above 65 %), the humidity must be reduced by careful heating and ventilation or dehumidification so that the restoration render can dry out within 10 days. The building owner must be informed that such rooms must also be adequately heated and ventilated during subsequent use.

### CONSUMPTION:

approx. 1,2 kg/m<sup>2</sup> per mm

These material consumption values are guide values for smooth substrates. Exact consumption values must be determined by means of test areas.

### CLEANING OF TOOLS:

Clean tools, machines and mixers immediately after use with water. In hardened state only a mechanical removal is possible.

## 5. PACKAGING

Container content	Unit of measure	Quantity on pallet	Type of container
25	kg	42	bag

## 6. STORAGE

max. storage time	Storage conditions
12 months	dry

### 7. DISPOSAL

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

**EC WASTE CODE:**

Waste code: 17 01 01

### 8. SAFETY INSTRUCTIONS

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Please, refer to the Material Safety Data Sheet.

### 9. GENERAL INFORMATION

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Cover surfaces not to be treated, especially glass, ceramics and natural stone. Any splashes on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water.

Mixing with products not part of the system or other foreign 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.