



## TECHNICAL DATA SHEET

# KEIM POROSAN<sup>®</sup>-TRASS-SANIERPUTZ-NP

## 1. PRODUCT DESCRIPTION

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Dry mortar based on trass, lime, frost-resistant sand, cement and additives to adjust certain properties. Renovation plaster mortar (R) in accordance with 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 WTA data sheet 2-9-04/D and has been certified by the WTA.

## 2. FIELD OF APPLICATION

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KEIM Porosan-Trass-Sanierputz-NP is a pore-hydrophobic special render for exterior and interior use for repairing salt-damaged render surfaces above ground level. Also suitable for wall surfaces with high moisture loads on historical buildings, old buildings, base areas, cellars, etc. For felted wall surfaces and comparable fine structures. Not suitable for eliminating condensation problems. In the case of pressing water, the cause must first be eliminated; only using restoration plasters is not sufficient in this case.

## 3. PRODUCT PROPERTIES

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- for interior and exterior use
- prevents salt efflorescence
- permeable
- highly water-repellent
- high salt resistance
- high frost resistance
- fire behaviour: non-flammable (A1)

### MATERIAL CHARACTERISTICS:

- Maximum grain size: 1.2 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:  $\geq 40$  %
- 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):  $\geq 15$

### COLOUR SHADES:

grey

## 4. APPLICATION INSTRUCTIONS

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### SUBSTRATE PREPARATION:

In the case of highly absorbent substrates or very warm ambient conditions, prewetting must be carried out.

### 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-Trass-Sanierputz-NP with approx. 5,0 - 5,7 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-Trass-Sanierputz-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:

In order to achieve the function of the renovation plaster, the plaster is usually applied in two layers, with 10 - 20 mm per layer. Lower plaster layers must be well roughened and require a standing time. Salts that have penetrated to the surface in the meantime must be swept dry before the second layer is applied. The total thickness of 40 mm should not be exceeded. Higher total plaster thicknesses can be achieved with a base coat of KEIM Porosan-Ausgleichsputz-NP. Unevenness, deeper holes or chipped areas must also be levelled with KEIM Porosan-Ausgleichsputz-NP.

### AFTERTREATMENT:

Notes: In damp rooms (rel. humidity above 65 %), the humidity must be reduced by careful heating and ventilation or dehumidification to such an extent that the restoration plaster 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.

### FINISHING:

Top coats with other plasters are possible (after an appropriate service life), provided their sd value is below 0.2 m. Colour reworking and design can be carried out after 10 days at the earliest. Prior to this, treatment with 1:3 diluted KEIM etching liquid and rinsing with water is required. The functional efficiency of the KEIM Porosan-Trass-Sanierputz-NP is only ensured when using the highly diffusible KEIM mineral paint systems.

### SETTING TIME:

at least 1 day per mm render thickness (depending on temperature and relative humidity).

### CONSUMPTION:

approx. 1,1 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.

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### 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

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

#### EC WASTE CODE:

Waste code: 17 01 01

### 8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

### 9. GENERAL INFORMATION

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.



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