



## TECHNICAL DATA SHEET

# KEIM POROSAN<sup>®</sup> AUSGLEICHSPUTZ NP (POROSAN COMPENSATING RENDER)

## 1. PRODUCT DESCRIPTION

Dry levelling and porous based render based on hydraulic trass lime powder, frost resistant sand and additives.

## 2. FIELD OF APPLICATION

KEIM Porosan Compensating Render is used as a base render for 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 40mm
- As a porous base render

KEIM Porosan Compensating Render is used for render repair of salt damaged render. It can be used for the preparatory equalisation of large depressions, irregular masonry and/or for containing salt where the salt content of the base render is very high.

KEIM Porosan Compensating Render should always be used as an undercoat render if the total thickness of the restoration render system is greater than 25mm.

## 3. PRODUCT PROPERTIES

Grain size: 0–4mm  
Porosity: > 45%

- WTA-certified, mineral base render with high salt retention capacity
- Automatic air entrapment properties ensure high porosity resulting in high diffusion rate and good drying capacity
- Applicable by machine

- High stability even with relatively thick layers

## Material characteristics to DIN EN 998-1:

Compressive strength: approx. 4–5N/mm<sup>2</sup>, CS II  
Flammability: A 1  
Water vapour permeability  $\mu$ : approx. 8  
Water absorption: > 1.0kg/m<sup>2</sup> after 24 h,  
Water absorption class: W2  
Tensile bond strength:  $\geq 0.08$  N/mm<sup>2</sup>  
Thermal conductivity,  $\lambda_{10}$ , dry:  
 $\leq 0.83$ W/(mK) for P = 50%\*  
 $\leq 0.93$ W/(mK) for P = 90%\*

## 4. APPLICATION INSTRUCTIONS

### Substrate preparation

Existing salt laden render should be removed to a height of approximately 800mm (very important) above the visible damage until the load bearing masonry is reached. Rubble containing salt should be removed immediately.

Remove brittle joint mortar to a depth of at least 20mm, worn out stones should be replaced. Masonry should be thoroughly cleaned without water (e.g. with wire brush), afterwards the dust should be removed (with compressed air, etc.)

A roughcast key coat of KEIM Porosan Trass Cement Render should be applied in the form of a grid in order to establish a good bond between non-absorbent masonry and the KEIM Porosan Trass Restoration Render/Compensating Render. The masonry should still be clearly visible after the roughcast coat has been applied. A setting time of 1-2 days should be observed.

### Application

A 35kg sack of KEIM Porosan Compensating Render requires approximately 6-6.5 litres of water and yields 30 litres of wet mortar.

KEIM Porosan Compensating Render should be mixed with clean water until it has a thick, stable consistency. Small quantities can be mixed with a motorised mixer. For larger quantities mixing pumps may be used. Free fall mixers are unsuitable. Avoid very long mixing periods.

Irregular masonry should be prepared with one layer of evenly applied KEIM Porosan Compensating Render, the Compensating Render should have a minimum thickness of 10mm at the weakest point. Deep holes should be sealed with KEIM Porosan Compensating Render prior to treatment.

The surface should be scraped off and roughened while hardening.

### Setting Time:

KEIM Porosan Compensating Render should be allowed to set before KEIM Porosan Trass Restoration Render is applied, for 1 day per mm thickness.

### Application conditions

Ambient and substrate temperature above 5°C and below 30°C. Do not apply in direct sunlight or onto sun-heated surfaces, nor if it is raining or if there is an immediate likelihood of rain.

### Consumption

1 bag (35kg) = approximately 30 litres of wet mortar, yields 1.3m<sup>2</sup> of render surface with a thickness of 20mm, equivalent to approximately 27kg/m<sup>2</sup> of dry mortar.

The stated consumption values are for guidance and depend on the nature of the substrate and the application method. Exact consumption values can only be determined by trials on the substrate.

### Cleaning of tools

Clean immediately after use with water

## 5. PACKAGING

35kg sacks

## 6. STORAGE

Shelf life is approx. 12 months if kept dry, cool, but frost-free in tightly closed containers. Protect from moisture.

## 7. 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.

## 8. SAFETY INSTRUCTIONS

Provide appropriate protection for surfaces which are not to be coated (e.g. glass, ceramics, natural stone, etc.) Protect the eyes and skin from splashes. Keep out of reach of children.

Please, refer to the EC Material Safety Data Sheet

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.

