



## KEIM POROSAN®

Moist and salt-loaded masonry is characterised by substrate damage including damp patches, salt efflorescent, spalling render and flaking paint coatings. These types of damage cause significant problems, especially on historic buildings, old structures, in cellars and foundation areas.

KEIM Porosan restoration render systems work by having a large, optimised pore volume within the render. Rising damp in walls accumulates in the render where it evaporates leaving behind the salts. Salts are stored in the large pores, where they remain, and therefore do not damage the render. The render surface remains dry and free from efflorescence.

KEIM Porosan has high water vapour permeability which enables surfaces to dry out quickly.

KEIM Porosan restoration render systems have a long life span even on substrates on which common renders fail quickly. A colourful finish with the highly vapour permeable KEIM mineral paint systems results in a perfectly coordinated, long-lasting and proven coated render system.

# KEIM POROSAN®

## TECHNICAL INFORMATION

### 1 Field of application

KEIM Porosan is a render system for renovation of interior and exterior salt-damaged rendered surfaces.

KEIM Porosan Compensating Render – base system for levelling uneven surfaces and building up layer depth.

KEIM Porosan Restoration Render – Finishing coat material.

### 2 Product properties

- Prevents salt efflorescence from forming on render surfaces
- High pore volume
- High vapour permeability
- Water repellent (reduces capillary conductance)
- Frost resistant

KEIM Porosan Compensating Render

Grain size: 0–4mm

Porosity: > 45%

KEIM Porosan Restoration Render

Grain size: 0–1.2mm

Porosity: > 40%

### 3 Application instructions

#### Substrate preparation

Existing salt laden render should be removed from the masonry.

Masonry should be thoroughly cleaned (without water e.g. with wire brush) and afterwards dust should be removed (with compressed air etc.)

### Application

If the total thickness of repair is more than 30mm, the first layer should be of KEIM Porosan Compensating Render with a minimum layer thickness of 10mm. KEIM Porosan Restoration Render should then be applied with a minimum thickness of 15mm.

For repair depth of less than 30mm KEIM Porosan Restoration Render can be used on its own, the total layer thickness should be between 20-30mm, the upper layer of render should be at least 10mm thick.

Allow at least 1 day per mm drying time between coats and prior to any decoration.

### Consumption

Approx. 1.3kg/m<sup>2</sup> for 20mm thick repair (both materials)

Consumption rates are offered for guideline purposes only and are quoted for smooth surfaces. Actual rates are the responsibility of the applicator. Project specifications should be referred to for specific rates.

### Cleaning of tools

Clean immediately after use with water.

### 4 Packaging

35kg sacks

