



## KEIM Porosan Trass Sanierputz

(Keim Porosan Trass Restoration Render)

### 1. Product Information

Dry mortar based on hydraulic trass lime frost resistant dolomite sand and additives. The grain size is 0-1.3mm. The strength corresponds with the mortar group PII according to DIN 18 550. Keim Porosan Trass Sanierputz is a dry mortar according to DIN 18 557 and meets with WTA guideline, leaflet 2.2.91.

### 2. Field Of Application

Keim Porosan Trass Sanierputz is an open pore hydrophobic special render for the repair of salt damaged rendered surfaces above ground level. It is suitable for both internal and external application. It is also suitable for use on very damp walls in historic buildings, old buildings, basement areas, cellars etc.

### 3. Product Characteristics

- Prevents salt efflorescence from forming on the render surface
- High pore volume
- High vapour permeability therefore good drying characteristics
- Water repellent qualities (reduces capillary conductance)
- Low stress because strength only increases slowly
- Frost resistant

### 4. Application

#### **Substrate Preparation:**

Existing salt laden renders should be removed from the masonry to a height of approximately 80cm above the visible damage (this is very important). Rubble containing salt should be removed immediately. Brittle joint mortar should be removed to a depth of 2 cm, worn out stones should be removed. Masonry should be thoroughly cleaned (without water e.g. with wire brush) afterwards dust should be removed (with compressed air etc.)

If the masonry is carefully cleaned and providing that the restoration render is applied in at least two layers (with pauses for setting) it is possible to avoid carrying out a salt treatment with poisonous lead components.

In order to form a good bond between the non absorbent masonry and the Keim Porosan Trass Sanierputz, a rough coat of Keim Porosan Trass Zementputz should be applied as a key coat. After the rough cast has been applied the masonry should still be clearly visible.

Depressions, holes and uneven areas should be filled or equalised with Keim Porosan Trass Ausgleichputz (make sure to allow sufficient time for setting).

#### **Application:**

35 kg Keim Porosan Trass Sanierputz dry mortar (1 bag) requires mixing with approximately 6.5 litres of water and yields approximately 26 litres of wet mortar. Keim Porosan Trass Sanierputz is mixed with clear water to a thick consistency. Small quantities should be mixed with a mortar whisk (minimum mixing time 2 minutes). For larger quantities mixing pumps can be used. Free fall mixers are not suitable. Very long mixing periods should be avoided.

If the total thickness is more than 30mm, the first layer should consist of Keim Porosan Trass Ausgleichputz. After the appropriate setting time has been observed, apply two layers of Keim Porosan Trass Sanierputz, each of a minimum 10mm. If Keim Porosan Trass Sanierputz is used on its own, the total layer thickness should be between 20-40mm, the upper layer of render should be at least 10mm thick. If Keim Porosan Trass Ausgleichputz is used as a closed first layer of render, then the upper layer of render should consist of Keim Porosan Trass Sanierputz with a minimum thickness of 15mm.

The waiting time following the application of the first layer depends on its thickness, 1 day per mm. The first layer of render should be scraped off, during the setting time it should be well roughened (with a stiff bristle brush etc.)

### ***After Treatment:***

Keim Porosan Trass Sanierputz should be protected from sun and wind in order to prevent its water content from evaporating too rapidly. If necessary moisten from time to time.

### ***Setting Time:***

The setting time depends on the ambient temperature and the consistency and absorbency of the substrate, usually 1 day per mm thickness of restoration render layer. After two weeks the render can be coated with Keim Mineral Paint systems.

### ***Temperatures:***

Do not apply if the ambient temperature is very high or in strong wind. If the ambient/substrate temperature is below 5°C application should not be carried out.

### ***Consumption:***

1 bag (35kg) = approximately 26 litres of wet mortar, yields 1.3m<sup>2</sup> of render surface with a thickness of 2 cm, equivalent to approximately 27kg/m<sup>2</sup> of dry mortar.

### ***Paint Coating:***

Keim Porosan Trass Sanierputz can only function properly if coated with highly water vapour permeable Keim Mineral Paints, e.g. Keim Purkristalat, Keim Granital, Keim Quarzil, Keim Biosil and Keim Reversil.

## **5. Packing**

35 kg bags

## **6. Storage**

The product has a shelf life of 6 months if stored in a dry place.

## **7. Identification ref. Ordinance of dangerous material.**

Not applicable

## **8. Danger class in goodstraffic**

Not applicable

## **9. Safety Instructions**

Keim Porosan Trass Sanierputz does not contain any harmful additives. The mineral binding agent is alkaline. Eyes should be protected, skin should be rinsed with plenty of water should it come into contact with the product. Keep out of reach of children.

Observe the actual general rules of building technology. Subject to changes in the interest of product and application improvements. This edition replaces former editions.

