



TECHNICAL DATA SHEET

KEIM POROSAN[®]-DS

1. PRODUCT DESCRIPTION

KEIM Porosan-DS is a mineral coating based on cement, fine sands and sealant.

2. FIELD OF APPLICATION

KEIM Porosan-DS is used for vertical waterproofing of structures, exterior and interior, in old and new buildings to protect against ground moisture, pressing surface/seepage water and groundwater. KEIM Porosan-DS can be painted over.

3. PRODUCT PROPERTIES

- excellent adhesion
- QNG compliant
- spreadable and trowelable
- excellent application properties
- water pressure-resistant / resistant to hydrostatic pressure
- frost-resistant

CLASSIFICATION:

- | | |
|---|----------------|
| - Standard compressive strength: | DIN EN 1015-11 |
| - Fracture pattern Adhesive tensile strength: | A,B,C |
| - Plaster type: | R |

COLOUR SHADES:

grey

4. APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION:

The substrate must be strong, dry, clean, sound and free from adhesion-reducing residues.

The surface to be sealed must be free of ridges and cracks. Fill in any defects before coating with KEIM Porosan-DS. Fillets and edges are to be rounded and made with suitable mortar. The substrate should be thoroughly pre-wetted and matt damp; standing dampness should be avoided.

Non-suitable substrates:

saponifiable existing substrates; substrates with salt efflorescences; plasto-elastic coatings

APPLICATION CONDITIONS:

Ambient and substrate temperature ≥ 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:

To obtain a brushable setting, mix the sack contents with approx. 6.0 L clean water until lump-free. For a trowelable setting, approx. 4.75 L clean water per sack must be used for mixing. Mix with a slow-running suitable stirrer until a homogeneous mass is obtained. After a maturing time of 3 minutes, the material is stirred again before use. Sealing slurry that has already hardened is unusable and must not be used.

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CONSUMPTION:

For load case soil moisture + non-pressing water:

Required total wet film thickness: 2.5 mm (corresponds to ≥ 2 mm dry film thickness)

Consumption: approx. 5 kg/m²

For load case pressing water:

Required total wet film thickness: 3.5 mm (corresponds to ≥ 3 mm dry film thickness)

Consumption: approx. 7,0 kg/m²

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

APPLICATION:

KEIM Porosan-DS is always applied in at least two layers. The first coat of KEIM Porosan-DS is always applied by brush. Corners and broken edges in particular must be well covered. The second coat and, if necessary, further coats can be applied either by brush or by trowel. The slurry must be applied in a total of at least two layers until the minimum layer thickness is reached. All wall/floor junctions and corners must be formed with a cove using suitable mortar with a radius of at least 4 cm before application of KEIM Porosan-DS. In case of multi-layer application, the previous waterproofing layer must be sufficiently load-bearing before the next layer is applied. The previous application must be matt damp and not completely dry.

AFTERTREATMENT:

Fresh coat must be protected from extreme heat, rain, frost and draughts.

FINISHING:

KEIM Porosan-DS can be painted over with KEIM. If KEIM Porosan-DS is to be applied as additional moisture protection, a drying time of at least 5 days must be observed. For the execution of waterproofing work, DIN 18195 as well as the guideline for the planning and execution of waterproofing of building components with mineral sealing slurries (dt. Bauchemie) must be observed.

SETTING TIME:

If KEIM Indulastic is to be applied as additional moisture protection on KEIM Porosan-DS, a drying time of at least 5 days must be observed.

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	40	bag

6. STORAGE

max. storage time	Storage conditions
9 months	dry

7. DISPOSAL

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

Waste code: 17 01 01

8. SAFETY INSTRUCTIONS

Please, refer to the Material Safety Data Sheet.

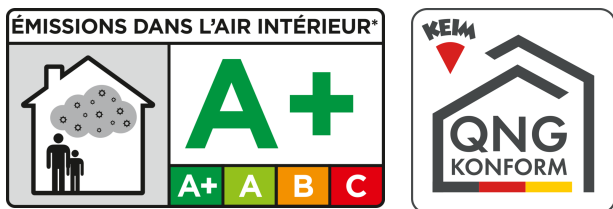
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9. GENERAL INFORMATION

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.

10. CERTIFICATES & QUALITY SEALS



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.