

TECHNICAL DATA SHEET

KEMAFOB

Silicone water-repellent impregnation



PRODUCT DESCRIPTION

Colourless silicone water-repellent impregnation and primer for mineral surfaces.

Field of use

For water-repellent impregnation and priming of all mineral surfaces such as concrete, mineral plasters, roof tiles, brick, gas concrete, silicate brick, natural and artificial stone, included joints, facades of mineral colours etc.

Product properties

KEMAFOB penetrates 3-4 mm deep, where it induces the water-repellent effect. The greater the absorption capability of the surface the more durable is the impregnation. The impregnation has to be renewed regularly, and does not seal cracked surfaces. Depending on the substrate, the surface treated with the KEMAFOB emulsion might display a slight matt effect.

- Solvent-based
- Prevents "efflorescence"
- Prevents concrete surface damage due to salts and frost
- It is colourless, water vapour permeable and water-repellent
- Suitable as a substrate for all coatings
- Smells like petroleum
- Excellent durability because of mineral basis and extraordinarily strong silicic bonds with mineral substrate
- Facilitates the cleaning of the substrate and hinders the development of micro organisms
- Min. 2 coats »wet-to-wet«

PRODUCT DATA

Basic information

Appearance	Colourless liquid
Packing	1 l in can / 6 kg (6x1 l) in carton box / 432 l (72x6 l) on pallet 10 l in can / 450 l (45x10 l) on pallet
Storage and expiration date	12 months from the day of manufacture when stored properly in dry place and in the original, sealed and undamaged packaging. Manufacture date is stamped on the packaging.

Technical data

Odour	on petroleum
Ignition temperature	240°C
Miscibility with water	practically insoluble

INSTRUCTIONS FOR USE

Consumption

approx. 0,2 to 1,0 l / m² depending on the absorption capability of the surface

The required quantity of KEMAFOB depends on the adsorbency of the substrate. The amount of impregnating agent required for a substrate and the effectiveness of the impregnation should be determined on site by testing a small area of the material to be treated. For this reason, the figures quoted below are intended as a guide only:

- concrete 0,25-0,5 l/m²
- stucco 0,5-1 l/m²
- brickwork 0,4-2 l/m²

- gas concrete 0,59-2 l/m²
- natural and artificial stone 0,05-3 l/m²

Base Surface must be clean, dry, free of wet spots and, for reaching the nice finish look of impregnated surface. New plasters and concrete surfaces must be dry and at least 28 days old.

Base preparation By reparation of facade, surface must be previously good cleaned and washed with strong jet of water. Cracks and mortar defects must be repaired prior to the application of KEMAFOB.

Installation KEMAFOB is applied with spraying in several coats, wet on wet, until the substrate is saturated. Generally, at least two applications suffice for all substrates.
Time between application of coats cannot be too long, next coat apply when previous is no more shining, but still wet. Because of the potential impact of the actual conditions in substrates and materials in the event of specific areas it is recommended to make a sample field prior to application.

Tool Brush or low-pressure spray

Cleaning of tool Clean tools immediately after the use.

LIMITATIONS

Base temperature +5°C min./ +30°C max.

Air temperature +5°C min./ +30°C max.

Material temperature +5°C min./ +30°C max.

Warnings

- KEMAFOB is not applicable for gypsum products and surfaces.
- On some substrates (stone, ceramic...) can KEMAFOB lead to mate appearance.
- Protect freshly installed material from freezing, rain and other bad weather conditions. The material should not be used at (surface, air, material) temperatures lower than 5°C.
- If the colour nuance of the cured impregnation is of importance, we recommend to test on a small, inconspicuous surface.

Recommendation: Remains of unhardened/unset material had to be removed in accordance with the legislation.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

SAFETY DATA

Hazardous ingredient: Petroleum distillate desulphured with hydrogen.

More data on storage, handling and use of mix are available in the safety sheet, which contains safety, toxicological and ecological data, and also pay attention to the warnings on the original packaging.

LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.