

## Technical Data Sheet

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**Properties:**

AKEMI® Basic-Crystallizer AK 1 (product colour: blue) is a special-purpose liquid product, based on high-quality fluorosilicate agents, which is ready-to-use. The product is characterized by the following properties:

- polish of marble, limestone, terrazzo without forming layers
- increases the degree of lustre
- reduces the hazard of slipping
- improves the stone surface
- reduces absorption of dirt, therefore easier to care
- intensification of colour and structure
- ideal for re-polishing old, worn-off floor coverings
- easy application
- minimal noise, dirt and dust pollution during application

**Application Area:**

AKEMI® Basic-Crystallizer AK 1 is used to improve the surface and the appearance of new as well as old floor coverings made of limestone (e.g. marble, travertine) and cement-bound artificial stone (e.g. terrazzo).

**Instructions for Use:**

1. Shake well before use.
2. In the case of old, strongly scratched surfaces, it is recommended to abrade the surface (up to grain-size 400) first. Holes or damages should be filled with AKEMI® marble fillers.
3. The surface must be clean, dry and free of any coatings.
4. Best working temperature: 15 - 25° C; avoid direct sunlight and turn off underfloor heating in time.
5. Only treat small areas of 2 - 3 m<sup>2</sup> at a time.
6. Evenly apply approx. 10 - 20 ml/m<sup>2</sup> of AKEMI® Basic-Crystallizer AK 1 with a manual pump spray. Immediately afterwards begin polishing crosswise with a heavy, slowly-rotating single-plate machine and a fine steel wool pad. Continue polishing over and beyond the drying phase until the desired degree of gloss has been achieved. Repeat the process once or twice, if necessary.
7. Sweep or vacuum the floor covering after treatment.
8. The surface can be walked on immediately after the treatment.
9. The gloss can be increased even more by treating the stone with AKEMI® Finish-Crystallizer AK 2 afterwards
10. AKEMI® Mild Stone Soap is recommended for regular cleaning and care.

**Special Notes:**

- For professional use only.
- To determine consumption, appearance and efficiency of the product make a sample area first.
- Surfaces or objects (s.a. furniture) which are not to be treated should be covered up or masked beforehand.
- Metal objects may react in contact with the product and discolour.
- When interrupting work, make sure that there is no contact between the steel wool pad and the floor.
- Change the pads if the degree of soiling requires it.
- Use a separate pad for each crystallizer.
- If the surface is pre-ground up to grain size 800, a white or silver plastic polishing pad may be used.

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- Dirt may accumulate in scratches or deep joints during crystallization, these must be cleaned separately.
- Do not bring the product into direct contact with plants, otherwise rinse immediately with water. Concentrated and diluted solutions must not be allowed to reach plantations.
- Very good durability after approx. 3 - 4 months on surfaces which are exposed to high stress (e.g. entrance area in hotels). Re-apply after 6 months at the latest.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

**Technical Data:**

Coverage: 10 - 20 ml/m<sup>2</sup>  
Colour: blue  
Density: approx. 1.09 g/cm<sup>3</sup>  
pH value: approx. 2

**Storage:**

If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 24 months from production.

**Health & Safety:**

Read Safety Data Sheet before handling or using this product.

**Important Notice:**

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.