

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, lime stone, terrazzo, not a coating
 - increases the degree of lustre
 - reduces the hazard of slipping
 - improves the stone surface
 - reduces absorption of dirt, therefore easier to take care of
 - colour and structure intensification
 - ideal for re-polishing old , worn-off floor coverings
 - easy application
 - low pollution through noise, dirt and dust 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® stone 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.
 5. Only treat small areas of 2 – 3 m² at a time.
 6. Evenly apply approx. 10 – 20 ml/m² 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 lustre has been achieved. Repeat the process one or twice, if necessary.
 7. The lustre can be increased even more by treating the stone with AKEMI® Finish Crystallizer AK 2 afterwards.
 8. When you have finished, any resulting dust can be swept or vacuumed away.
 9. The surface can be walked on immediately after the treatment.
 10. AKEMI® Mild Stone Soap can be used for general cleaning purposes.
- Special Notes:**
- To determine consumption, appearance and efficiency of the product make a sample area first.
 - Surfaces or objects (such as 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.
 - If you interrupt your 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 let the product get into direct contact with plants. If this should happen, rinse with water immediately. Neither concentrated nor diluted solutions should get into contact with flora.
- Very good durability after approx. 3-4 months on surfaces that are exposed to high stress (e.g. entrance area in hotels). Re-apply latest after 6 months.

Technical Data:

Coverage:	10 – 20 ml/m ²
Colour:	blue
Density:	approx. 1.09 g/cm ³
pH value:	approx. 2

Storage: 2 years in the closed original container under cool and frost-free conditions.

Health & Safety: Read Material 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.