Technical Data Sheet

Properties:

AKEMI® Anti-Slide R9 Granite & Ceramics is a watery, inorganic formulation which is used to treat the surfaces of silicate-bound natural and artificial stone. The product causes a chemical reaction in contact with the siliceous components of the stone producing microscopically small pores which considerably reduce the risk of slipping on wet surfaces.

Application Area:

AKEMI® Anti-Slide R9 Granite & Ceramics produces an anti-slide effect on polished, glazed or too smooth surfaces. It is particularly suitable for granite, gneiss, and gabbro, other types of hard stone as well as ceramic tiles and enameled surfaces. The surfaces which have been treated with AKEMI® Anti-Slide R9 Granite & Ceramics usually comply with requirements pertaining to slip prevention under wet conditions as laid down in DIN 51130 and BGR 181 (previously ZH1/571 - class R9 slip prevention) as well as the US guidelines on surface safety (OSAH/ADA). The polish of the stone is only marginally affected and the beauty of the colour is largely preserved.

Instructions for Use:

1. Before the floor can be treated with AKEMI® Anti-Slide R9 Granite & Ceramics it must be thoroughly cleaned and all coatings and layers of impregnation removed.
2. The degree of slip inhibition should be measured before and after treatment using a suitable measuring device (e.g. Floor Slide Control FSC 2000 print).
3. Working temperature 15 - 25°C. Underfloor heating should be turned off in time.
4. Apply undiluted with a sponge or mop until saturated and even. Avoid foaming.
5. Apply to the complete floor or up to the joints. Avoid partial double application.
6. The reaction time depends on the desired effect and the type of stone (approx. 10 - 15 min). During this time AKEMI® Anti-Slide R9 Granite & Ceramics must not dry up because it no longer reacts when dry. In order to judge the effectiveness of the product and the effect it has on the polish and the colour, preparing a sample area is necessary.
7. Afterwards clean the surface with AKEMI® Stone Cleaner and rinse well with plenty of water until the surface water is neutralized.
8. If necessary, the floor can be treated with AKEMI® Anti-Slide R9 Granite & Ceramics again.
9. After a chemical roughening, the treated surface can be protected or the colour freshened up with products such as AKEMI® Stain Repellent Nano-Effect, AKEMI® Stain Repellent Super, AKEMI® Colour Intensifier or AKEMI® Darkener Super.
10. AKEMI® Crystal Clean is suitable for regular cleaning. To prevent contamination of the microscopic pores, brush cleaning should be done at least every 25th time using AKEMI® Stone Cleaner. In case of heavy dirt, this cleaning must be carried out correspondingly more frequently in order to maintain slip resistance.

Special Notes:

- For professional use only.
- The product is aggressive towards glass, ceramics, porcelain, enamel, anodized metal, marble, limestone, metals and other

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acid-sensitive materials. Therefore, areas that do not require anti-slip treatment must be protected or excluded from treatment.
- AKEMI® Anti-Slide R9 Granite & Ceramics can be diluted up to 2:1 (water : product) and used in the same way as the undiluted product. Slip resistance is increased on polished surfaces but slip resistance class R9 or similar is not achieved.
- Do not bring the product into direct contact with plants, otherwise rinse immediately with plenty of water. Concentrated and diluted solutions must not be allowed to reach plantations.
- Surfaces that have been previously treated with impregnations, colour intensifiers or similar agents may have an irregular surface.
- The treatment with AKEMI Anti-Slide R9 Granite & Ceramics causes a loss of gloss and the colour intensity of the surface may decrease.
- If the product dries on the surface, it can be reactivated with water.
- With some engineered stone finishes (e.g. fine stoneware), the surface can take a cloud-like appearance after treatment; this can only be seen with a certain incidence of light. The sample area should therefore be prepared under the same visual conditions of the installation area.
- Treatment with anti-slip agents increases the porosity of the surface and thus also its susceptibility to dirt. Basic cleaning is therefore necessary more often.
- Preparation of a sample area is mandatory to determine consumption, appearance and efficiency.
- For proper waste disposal, the container must be completely emptied.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Coverage:	aprox. 10 - 20 m²/liter; depending on the absorbency of the stone
Colour:	waterclear
Density:	approx. 1.03 g/cm³
pH value:	approx. 2 - 3

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 trails of the product, in an inconspicuous area or fabrication of a sample piece.

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