# Technical Instruction Sheet



**Properties:**

AKEMI® Anti Slide R9 is a watery, inorganic formulation which is used to treat the surfaces of silicate-bound natural stone as well as cast 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 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 enamelled surfaces. The surfaces which have been treated with AKEMI Anti Slide R9 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 and the attractiveness of its colour are hardly impaired.

**Instructions for use:**

1. Before the floor can be treated with Anti Slide R9 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 good time.
4. Anti Slide R9 should be applied liberally, evenly and undiluted with a sponge or floor mop. Avoid making any foam.
5. Apply Anti Slide R9 to the whole floor or up to the joints. Avoid partial double application.
6. The reaction time is dependent upon the desired effect and the type of stone (approx. 10 – 15 min). During this time Anti Slide R9 may 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, you should always carry out a preliminary test first.
7. Afterwards clean the surface with AKEMI® Stone Cleaner and rinse well using a lot of water until the surface water is neutralised.
8. If necessary, the floor can be treated with AKEMI® Anti Slide R9 again.
9. After a chemical roughening, the treated surface can be protected or the colour freshened up with products such as AKEMI® Stain Repellent, AKEMI® Stain Repellent W, AKEMI® Colour Intensifier or AKEMI® Darkener Super.
10. AKEMI® Mild Stone Soap is suitable for day-to-day cleaning purposes. To prevent the microscopically small pores from getting dirt in them, we recommend you to clean the surface every 25th time (at the least) with a brush and AKEMI® Stone Cleaner. This should be done more frequently if the surface in question is exposed to a lot of dirt. This ensures that the anti-slip effect is maintained.

**Special notices:**

- The product is aggressive towards glass, ceramics, porcelain, enamel, anodized metal, marble, limestone, metals and other acid-sensitive materials. Sensitive parts must be protected.
- Do not let Anti Slide R9 come into direct contact with plants. If this accidentally occurs, rinse using a lot of water. Concentrated and diluted solutions should not be allowed to get into cultivated areas.
- In the case of surfaces which have been previously treated with impregnations, colour intensifiers, coatings or the like, it is possible that the surface will take on an irregular appearance.
- Treatment with Anti Slide R9 results in a loss of lustre and the intensity of the colour of the surface can diminish.
- If the product dries on the surface, it can be reactivated with water.
- The implementation of anti-slide agents increases the porosity of the stone and thus its sensitivity. Thorough cleaning will therefore be more frequently necessary.

- Try out the product on a test area first in order to establish the amounts required, the

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effectiveness and the quality of the surface.
- Empty the container completely to ensure proper waste disposal.

**Safety notices:**

see the EC safety data sheet

**Technical specifications:**

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| Coverage: | 10 – 20 m²/l |
| Colour: | transparent |
| Density: | approx. 1.03 g/cm³ |
| pH value: | approx. 2 – 3 |
| Shelf life: | approximately 1 year if stored under cool, frost-free conditions in the closed original container |

**Notice:**

The above specifications were made on the basis of the present-day stage of technological development as well as the application research of our company. Because the ways and means of application are beyond our control, the manufacturer cannot be made liable for the contents of this specification sheet.

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