

## Technical Data Sheet

**Properties:** AKEMI® Liqui Polish Granite respectively Liqui Polish Marble are viscous readymade suspensions consisting of inorganic polishing substances and auxiliary materials. The products are distinguished by the following properties:

- flowing creamy consistency
- easy dosage
- inodorous
- slightly alkaline
- free of any toxic substance
- wax-free
- gentle grinding and polishing procedure (no weakening of structure)
- saving several steps of labour and grinding respectively
- enables enduring polish

**Application Area:** The main purpose of AKEMI® Liqui Polish Granite and Liquid Polish Marble respectively is to increase the degree of gloss of pre-grinded and polished stone surfaces. AKEMI® Liqui Polish is available in five different versions:

**Marble light** – for light limestone (travertine), marble and onyx, i.e. Botticino, Crema Marfile, Jura limestones, Carrara Marble, Thassos, Sievec and several light kinds of onyx

**Marble dark** – for dark limestones (travertine) i.e. Belgian Hardsteene, Irish limestone, Nero Marquina, Negro Pinta, Gasgan Black, Levadia Black, Ruivina Escuro and several dark kinds of onyx

**Granite light** – for light hard stones i.e. Kashmir White, Bethel White, Bianco Sardo, Wid, Karnataka, Porkkala, and Edelhammar

**Granite dark** – for coloured hard stones i.e. Juparana, Labrador (Blue Pearl), Rosa Beta, Rosa Santos, Red Aziz, Havanna Brown, Baltic Brown

**Granite black** – for very dark or black hard stones i.e. Nero Impala, Negro Orientale, Basalto Columnare, Star Galaxy

The product is being applied in the following fields:

Handicraft business: polishing of areas and moulded bricks with hand-polisher, angle grinder and wall mounted slab polishing machines.

Restoration / Reconstruction and reprocessing of natural stones covering:

For these procedure a three-plate floor-grinding machine (minimal weight 95 kg, minimal power 2.2 kW) with according felt-pads (density at least 0.65 g/cm<sup>3</sup>) are needed.

Natural stone industry: mass production of areas and moulded bricks in the semi-manual field (hand-grinder, wall mounted slab polishing machines).

- Instructions for Use:**
1. Shake well before use.
  2. Apply the desired amount of AKEMI® Liqui Polish on the slightly wet surface.
  3. Process the area you wish to treat with wet polishing felt; possibly, the procedure needs to be repeated in order to achieve the desired degree of gloss. It is essential for a successful application to use a felt-pad with a density of at least 0.56 to 0.64 g/cm<sup>3</sup>. With floor-grinding machines please use felt-pads which accord to the specific type of machine and have the same density as stated above. One-disk machines are unsuitable (see under "application areas").

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4. Depending on the specific type of stone, the areas need to be pre-grinded and free of all kinds of scratches. Generally, dense limestone's, onyx and marble (rough – fine-crystalline) need to be polished up to a granulation 400 with Liqui Polish after a pre-grind. In case of hard stones, the number of grinding procedures cannot be reduced as much as with soft stones. Plutonic rocks such as granite, syenite, quartzsyenite, orthogneis, anorthosite, aplite, peridotite, larvikite, granodiorite, diorite, gabbro and tonalite should be grinded up to a granulation of 3.000 in a conventional manner. Subsequently, the remaining grinding steps up to the polishing with Liqui Polish should be under taken. Dense effusive rocks such as rhyolite, graniteprophyry, dacite, and alkaline effusive rocks such as andesite, diabase, pikrite, lamporphry, dolorite, orthogneis, other metamorphic rocks such as granulite and metasomatic quartz should be grinded up to a 3000-granulation in a conventional manner and subsequently polished with Liqui Polish.
5. Grinding remains should be removed from the surface using AKEMI® Stone Cleaner.

**Special Notes:**

- Only for professional application.
- Softer felt pads or synthetic pads are unsuitable and can lead to an undesired surface-structure (so-called orange peel).
- Due to the diversity of stones it is not possible to make a general statement. It is therefore necessary to lay out a sampler area.
- The product Liqui Polish should be understood and utilized as a tool.
- The applicator is advised to adjust the application to his individual demands, needs and goals.
- As with every new tool, the applicator needs to show a little experience and skillfulness to achieve the maximum benefit (time-/cost-savings).
- In certain fields of application, e.g. flooring, it is necessary to consider the anti-slip property. In such cases, the pre-grinding should not be too fine. The areas are only satined (e.g. not completely profiled: satin) or velvety (e.g. very little profiled: velvet). This surface treatment can also be utilized as a structuring element for surfaces. As always, the axiom applies here: sample area must be laid out!
- For adequate waste disposal container must be completely emptied.

**Technical Data:**

Colour: white, dark grey, black  
Density: approx. 1.60 g/cm<sup>3</sup>  
pH value: 8 - 9

**Storage:**

2 years if stored in cool place free from frost in its tightly closed original container.

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

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