

Technical Data Sheet

Page 1 of 2

Properties:

AKEMI® Liqui Polish Universal is a viscous, ready-to-use suspension consisting of inorganic polishing substances and auxiliary agents. The product is characterized by the following properties:

- universally applicable for hard and soft stone
- flowing, creamy consistency
- easy dosing
- odourless
- slightly alkaline
- wax-free
- gentle grinding and polishing procedure (no weakening of structure)
- work and grinding steps can be saved
- allows a lasting polish

Application Area:

AKEMI® Liqui Polish Universal increases the gloss level of pre-ground and polished hard and soft stone surfaces. Liqui Polish Universal is available in two versions: "black" for dark stone and "white" for light stone. The product is used for reworking or restoration of hard and soft stone workpieces, e.g. window sills, corners and edges, kitchen countertops, washbasins, drain surfaces, tombs, small areas and reliefs. Furthermore, light acid etching stains can be removed from marble and limestone.

Instructions for Use:

1. Shake vigorously before use.
2. Apply AKEMI® Liqui Polish Universal in the desired amount to the slightly humid surface.
3. Work the surface to be treated with a humid polishing felt or pad. If necessary, repeat the procedure until the desired gloss level is achieved. To cool the stone surface or the polishing pad it is possible to add some water. It is essential for a successful application to use a felt pad with a density of at least 0.56 to 0.64 g/cm³. We recommend to use the AKEMI® Liqui Polish Pad.
4. Depending on the specific type of stone, the surfaces must be pre-ground and free of scratches. Principally, dense limestone, onyx and marble (coarse-fine crystalline) must be pre-ground to a grain size of 400. Subsequently polish with AKEMI® Liqui Polish Universal. With hard stone, the situation is different; it is not possible to save as many grinding passes as with soft stone. Plutonic rock, such as granite, syenite, quartz syenite, orthogneiss, anorthosite, aplite, peridotite, larvikite, granodiorite, diorite, gabbro and tonalite should be ground conventionally up to a grain size of 1500. Then the treatment is carried out until polishing with AKEMI® Liqui Polish Universal. Dense effusive rocks, such as rhyolite, granite porphyry, dacite and alkaline effusive rocks, such as andesite, diabase, pikrite, lamporphyry, dolorit and other metamorphic rocks, such as granulite and metasomatic quartz should be ground conventionally to a grain size of 3000 and subsequently polished with AKEMI® Liqui Polish Universal.
5. Grinding residues can be removed from the stone surface with AKEMI® Stone Cleaner.

Special Notes:

- For professional use only.
- Softer felt pads or synthetic pads are not suitable and lead to an undesirable surface structure, so-called orange peel skin.

TDS 02.22

Technical Data Sheet

Page 2 of 2

- Due to the diversity of stones, no generally binding statement can be made. Therefore, it is mandatory to lay out a sample area.
- The product AKEMI® Liqui Polish Universal is to be understood and used as a tool.
- The users should tailor the processing to their requirements, needs and objectives.
- As with a new tool, the user needs some experience and skill to get maximum benefit from the product (time-cost savings).
- In some applications (e.g. floor coverings) it is necessary to consider the slip resistance. In such cases, the pre-grinding must not be too fine. The surfaces are only satinized (i.e. not very profiled: satin) or velvety (i.e. slightly profiled: velvet). However, this surface treatment can also be used as a design element for surfaces. As always, the principle also applies here: lay out a sample area!
- 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:

Colour: white, black
Density: approx. 1.60 g/cm³
pH value: 8 - 9

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.

TDS 02.22