

Technical Data Sheet

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Properties:

AKEMI® Polishing Line Adhesive RAPID is a 2-component stone filler based on unsaturated polyester resins dissolved in styrene. The product is distinguished by the following qualities:

- very rapid hardening also in thin layers (10-15 minutes), hardening time can be reduced by heat to 5-10 minutes
- fast surface drying
- easy application due to liquid-creamy consistency
- easily polishable
- very good adhesion on dry natural stones

Application Area:

AKEMI® Polishing Line Adhesive RAPID is mainly used for working natural stone slabs in polishing line plants for filling holes and fissures. The product hardens very well in thin layers and at low temperatures due to its high reactivity. A good surface drying is reached already after a short period of time, thus polishing segments do not smear or clog.

Instructions for Use:

1. The surface to be treated must be clean, dry and free from dust.
2. Add 1 to 4 g of white hardener paste to 100 g of adhesive (4 to 5 cm of paste pressed out of the screw tube correspond to 1 g).
3. Mix both components thoroughly. The mixture can be worked for about 1 to 5 minutes (20°C).
4. After 10 to 15 minutes (20°C) the treated slabs can be grind and polished.
5. The hardening process is accelerated by heat and delayed by cold.
6. Tools can be cleaned with AKEMI® Nitro-Dilution.

Special Notes:

- Use AKEMI® Liquid Glove to protect your hands.
- Hardener portions higher than 4 % reduce quality of adhesion.
- Hardener portions less than 1 % and low temperatures (below 5°C) considerably delay hardening.
- Poor adhesion on humid surfaces. Moderate adhesion on fresh, alkaline building materials (e.g. concrete, concrete bricks).
- Once hardened, the adhesive can no longer be removed by solvents. Removal is only possible mechanically or by higher temperatures (> 200°C/392°F).
- Being worked properly, the hardened adhesive is generally recognized as not injurious to health.
- The hardened filler tends to yellow.

Technical Data:

Colour: RAPID light: beige
 RAPID dark: brown-beige

Density: 1.65 g/cm³

Working time / min.

a) at 20°C

1% of hardener:	3 - 4
2% of hardener:	2.5 - 3
3% of hardener:	2 - 2.5
4% of hardener:	1.5 - 2

b) with 2% of hardener:

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at 10°C: 6 – 8
at 20°C: 2.5 – 3
at 30°C: 1 – 1.5

Storage: 1 year approx. 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 trials of the product, in an inconspicuous area or fabrication of a sample piece.