

Technical Data Sheet

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Properties: AKEMI® Everclear 100 is a low-viscous two-component reaction-resin system which is used for firmly closing cracks and pores. The product is distinguished by the following properties:

- UV-stable
- relatively fast hardening
- transparent, colourless
- solvent-free
- increases the firmness and improves the quality of natural stones
- no colour intensification, therefore excellently suited for light stones

Application Area: AKEMI® Everclear 100 is mainly used in the stone-working industry for strengthening porous, white/light coloured and fissured natural stones indoors and outdoors.

Instructions for Use: The stone slabs which are to be treated must be pre-calibrated according to their nominal thickness and must be clean and dry.

1. Pre-warmed stone surfaces (max. 60°C) slightly reduce working- and hardening time, yet, the penetration ability is increased.
2. 100 g of component A are to be thoroughly mixed with 80 g of component B. The mixing ratio must be strictly observed to. Low surplus of hardener of approx. 5% by volume is possible without any loss in quality; yet too little quantity of hardener slowly results in yellowing.
3. The mixture remains workable for approx. 10-15 minutes (20°C) and is applied to the whole surface with a fine-toothed spreader; apply more than once in the event of larger fissures or areas of greater absorption. Close continuous fissures on the rear side before application.
4. The surfaces can be ground and polished after approx. 36-48 hours at room temperature. Hardening time is only reduced slightly in case of higher temperatures.
5. Tools can be cleaned with AKEMI® Universal Dilution.

Special Notes:

- Not suited under permanent wet conditions.
- The optimal mechanical and chemical properties can only be attained by adhering to the exact mixing proportions; excess adhesive has the effect of a plasticizer and may slowly cause yellowing. Low surplus of component B (max. 5%) does not have a negative influence on the product properties.
- There is usually no colour intensification on treated stones, yet, it is advisable to try on a testing area.
- The product is not to be used at temperatures below 0°C, because it will not sufficiently harden.
- The hardened product can be removed only mechanically.
- If the resin has been correctly worked it presents no hazard to health when the hardening process is completed.

Technical Data:

Colour:	colourless, transparent	
Density:	component A:	1.07 g/cm ³
	component B:	1.13 g/cm ³
Consumption:	approx. 100 - 200 g/m ²	

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Working time: 5°C: approx. 30 minutes
 20°C: approx. 12 minutes
 30°C: approx. 10 minutes
 40°C: approx. 8 minutes
 50°C: approx. 7 minutes

Hardening process (Shore D hardness) at 20°C:

<u>6 hrs</u>	<u>24 hrs</u>	<u>48 hrs</u>	<u>7 days</u>
20	55	77	78

Storage: Approx. 12 months under cool conditions (<25°C) in the firmly 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.