

Technical Data Sheet

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Properties:

AKEMI® EVERCLEAR 505 is a liquid 2-component reaction-resin system.

The product is characterized by the following properties:

- 2C-PUR-system
- product colour: transparent
- excellent stability to yellowing
- no bleeding in the marginal zone
- for indoors and outdoors
- free of solvents
- easy to colour with AKEMI® Polyester Colouring Pastes / Colouring Concentrates liquid or Spectrum Pastes
- very good grindable and polishable
- no dangerous goods
- low viscosity
- in most cases no colour intensification, therefore excellently suited for light stones

Application Area:

AKEMI® EVERCLEAR 505 is mainly used in the stone working industry for filling of fissures and pores as well as surface finishing and strengthening of white/light natural stone indoors and outdoors.

Instructions for Use:

1. The surfaces to be treated must be clean, free of dust and completely dry.
2. Preheated stone surfaces (max. 60°C) slightly shorten the working and curing time, but increase the penetration capacity.
3. Homogeneously mix component A and B in a mixing ratio of 4:3 (by weight).
4. Colouring is possible by adding up to 2% of AKEMI® Polyester Colouring Pastes / Colouring Concentrates liquid or Spectrum Pastes.
5. The mixture is applied on the complete surface with a spatula. In case of larger fissures or more absorbent areas, apply several times. Continuous fissures must be sealed on the reverse side before treatment.
6. The mixture can be worked for approx. 12 - 15 minutes (20°C), after approx. 6 hours the material can be ground and polished.
7. Immediately clean tools with AKEMI® Universal Thinner.

Special Notes:

- For professional use only.
- Attention: component B contains diisocyanates. May cause an allergic reaction. As from August 24, 2023, adequate training is required before industrial or commercial use.
- The product is very sensitive to water and moisture during the hardening process. High residual moisture in the stone may cause foaming, high atmospheric humidity or steam may cause bubbles to form in the product. Therefore, the stone must be absolutely dry and also the atmospheric humidity should be kept as low as possible.
- The product must not be used at temperatures below 0°C, because it will not sufficiently harden.
- The mixing ratio should be maintained as good as possible, otherwise yellowing or colour intensification may occur.
- As a rule, no colour intensification occurs on the treated stone surfaces, but we nevertheless recommend to make a sample area.

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- If very fine cracks need to be filled, it is possible to dilute component A with up to 20% (by weight) of AKEMI® Thinner EC before mixing with component B. This mixture can be used to fill fine cracks or holes using a disposable syringe and an 18G disposable needle.
- 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:	transparent
Density comp. A:	1.07 g/cm ³
Density comp. B:	1.16 g/cm ³
Viscosity comp. A:	approx. 1600 mPas
Viscosity comp. B:	approx. 900 mPas
Working time:	approx. 12 - 15 min
Grindable and polishable:	after approx. 6 h
UV-resistance:	1000h Q-UV: no change (ISO 4892-3: 2013 cycle 1)

Storage:

If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 12 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.

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