



G500 LIQUID GRANITE & MARBLE ADHESIVE

1 – DESCRIPTION

Akfix G500 is a polyester based, two component adhesive liquid adhesive, used for filling and bonding of marble, granite, natural stone, artificial marble, onyx and ceramic like materials.

2 – PROPERTIES

- Fast curing (2-3 minutes at 20°C).
- Easy to process with its creamy consistency.
- Perfect shine after mechanical polishing.
- High chemical resistance.
- Excellent resistance against wearing.
- High bonding power even in high temperatures.

3 – APPLICATION AREAS

- Bonding of natural stones like marble, travertine, artificial marble, onyx etc.

4 - INSTRUCTIONS

- Before the application the surface must be free of grease, moist and dirt.
- Color paste can be used (5%max.)
- Mix the adhesive and hardener by the ratio of 97-98 % adhesive and 2-3% hardener and apply it to the surface to be filled or bonded with the amount of 10-15 m²/Kg.
- The mixture can be only used for 2-3 minutes at 20°C.
- The applied surface is ready to use after full cure (15-35 minutes at 20°C).
- The curing rate is changeable according the temperature.

5- PACKAGING

Product	Weight	Package
G500	1000 gr	12

6- STORAGE AND SHELF LIFE

The product has a shelf life of 24 months if stored in areas cool, dry and away from direct sunlight at 18-25°C in its original package.

7- RESTRICTIONS

- At wall mounting: Use wire and/or metal fasteners with the applications higher than 2.5 m.
- Do not use the spatula on the main adhesive that is used with the hardener.
- If a color paste will be used to change the color of the adhesive, it must be used before the hardener.



- Increasing the hardener amount in the mixture, increases the curing rate with the cost of bonding power.
- Usage of excess color paste may result with adhesive failure.
- Always close the cover after application.
- The color of the adhesive may be affected by the sunlight.
- Keep out of the reach of the children.
- Use gloves.

8- SAFETY

Avoid from eyes. Must be stored away from children. Comply with the directives in latest Safety Data Sheet.

8- TECHNICAL PROPERTIES

Density	: 1.78 ± 0.02 gr/cm ³
Viscosity	: (20 °C 20 rpm) 16000-18000 cps
Color	: Beige/liquid
Type	: Solvent based
The amount of hardener in the mixture	: %2-3
Mixing time	: ≈ 1 min.
Curing Time	: 2-3 min. (at 20°C with %2-3 hardener)
Maximum temperature during reaction	: 110-115 °C
Min. Use temperature	: -5°C
Max. Temperature resistance after curing	: 110°C
Maximum force	: 400 – 500 kgf.
Maximum elongation	: 5 – 8 Δ/mm
Maximum tension	: 0.4-0.5 kg /mm ²
Tensile strength	: 400-500 kgf
Elongation at break	: 4-8 Δ/mm
Mixture time	: ≈ 1 min.