



AT 603 - MARBLE SHIELD EXTREME

NANO-CERAMIC COATING

APPLICATION INSTRUCTIONS

1. PRODUCT DESCRIPTION

AT 603 is a high performance single component coating that creates a glossy, protective finish on granite, marble and similar surfaces. It is a higher solids version of AT 602 and provides maximum performance. The hydrophobic properties repel water and dirt making cleaning and maintenance easy while also extending the life of granite and marble surfaces. AT 603 protects treated surfaces from UV damage and most common chemicals. AT 603 creates a covalent bond to the substrate to provide long lasting protection. The coating does not sit on the surface but rather soaks in for long-term performance. AT 603 is an extremely safe, inert material when cured. It is safe for use on food contact surfaces. It is odor free once the coating has cured.

2. SURFACE PREPARATION

- A clean, dry substrate is required to create a quality-finished surface. Thoroughly clean the surface. Dry well. Vacuum or lightly blow any dust or other loose contaminates from the open pores of the surface to be treated.
- Use a clean lint free cloth dampened with a modest amount of denatured alcohol to lightly wipe the surface one last time to ensure the surface is as clean as possible.
- Allow surface to completely dry. Surface is now ready to apply AT 603.

3. APPLICATION

- As with any new material, always test application and finished properties on a low value test article or panel before working on valuable surfaces.
- Use a locked mohair roller (e.g. roller locked so that it cannot spin) for application.
- Wet the roller (not to excess) with AT 603 and then glide it across the surface starting at the farthest corner/edge. Use long, even strokes moving across the surface “wet-on-wet” until the opposite side is reached.
- It is also possible to pour a modest amount of AT 603 directly onto the surface and then use a locked mohair roller to gently move it across the surface until it is uniformly coated.
- Apply coating at a 3-5 micron dry film thickness, just enough to leave a uniform glossy coat.
- Allow coating solvents to flash-off. Coating should be dry to touch in approximately 15-25 minutes at room temperature. Stone surfaces tend to be cold and therefore drying may take slightly longer in some situations.

7. DRYING & CURING TIMES

Solids	24%
Drying Time	Dry to the touch in approximately 15-25 minutes at ambient temperatures. Warmer airflow will accelerate dry time. Surface may be used normally after coating is dry to the touch.



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Curing Time	Approximately 5 days at ambient temperatures.
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8. COVERAGE RATE

- Approximately 3,250 square feet per gallon (80 square meters per liter) at dry film thickness of 3 microns.
- Note: coverage rate will vary depending on the absorbency of the substrate material. Contact your ALPHATEK representative to discuss potential coverage for the planned substrate material.

9. STORAGE STABILITY & SHELF LIFE

The shelf life is one year when stored in the original, unopened container. Store containers in a well-ventilated and covered area away from extreme heat and moisture. Contact your ALPHATEK representative if you have any questions about the products or its uses.

10. SAFETY

Refer to the Safety Data Sheet for this product prior to use.