

AT 603 – MARBLE SHIELD EXTREME

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT 603 - Marble Shield Extreme is an even higher performing version of AT 602 specifically created for professional use. The coating creates a glossy, protective finish on granite, marble and similar surfaces. 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.

Proudly manufactured in the USA.

Technical Data

Color	Clear
Viscosity	16-18 sec. #2 Zahn
Percent of Solids (%)	24
V.O.C	Exempt per CFR 51.1 / Regulation 8
RoHS	Compliant
REACH	Compliant
Halogens	None
Thermal Stability (cured)	1200°F / 648.8°C
Conical Bond (1/8" Mandrel) (ASTM D522-93a)	Passed
Cross Cut Adhesion (ASTM D3359)	5B
Coefficient of Friction (ASTM D2047)	0.03μ
Specific Gravity (ASTM D891-09)	0.889
Pencil Hardness (ASTM D3363)	8h
Odor (liquid)	Slight Solvent
Odor (cured)	None

Drying and Coverage Rate

Average Applied Dry Film Thickness	3 to 5 microns
Estimated Coverage Rate (@3 microns) *Will vary depending on surface	3,250 ft ² (300 m ²) per gallon
Dry to Touch Time (@ 77°F / 25°C) *Warm airflow will reduce drying time	15 – 25 minutes (average)
Ambient Cure (Full Properties) *Accelerated curing possible	5 days

Key Performance Properties

- Hydrophobic water repellent surface.
- Self cleaning.
- Clear.
- UV resistance.
- Excellent adhesion. Creates intrinsic bond with the substrate. Soaks into the substrate for maximum long-term performance.
- Excellent coverage rate.
- Easily applied by wipe.
- Ambient cure, short dry time.
- Environmentally friendly.
- Safe for use on food surfaces.
- Odor free once cured.
- RoHS and REACH compliant.

Common Applications

Any granite, marble or stone surfaces

Supplemental Information

AT 603 is a higher solids version of AT 602 and has been formulated for maximum performance on heavily used surfaces. Contact your AlphaTek representative to determine the solution best for your requirements.

Example: Treated vs. Untreated Marble

