

# AT 601 – WOOD SHIELD

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT 601 - Wood Shield is a VOC exempt, environmentally friendly solvent based hydrophobic coating specifically formulated for maximum performance on wood surfaces. AT 601 is UV resistant and highly durable. AT 601 is extremely hydrophobic making it an ideal water repellent coating. Treated wood surfaces will repel water, ice, snow, dirt, etc. thereby reducing maintenance and extending the life of wood finishes. AT 601 absorbs deeply into the pores of wood surfaces for long lasting protection and a glossy finish. AT 601 is also very effective as a sealer over existing wood finishes. AT 601 is odor free once cured and is safe for use in marine environments.

Proudly manufactured in the USA.

## Technical Data

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

## Drying and Coverage Rate

<b>Average Applied Dry Film Thickness</b>	<b>2 to 5 microns</b>
<b>Estimated Coverage Rate (@3 microns) *Will vary depending on surface</b>	2,450 ft <sup>2</sup> (230 m <sup>2</sup> ) per gallon
<b>Dry to Touch Time (@ 77°F / 25°C) *Warm airflow will reduce drying time</b>	15 – 25 minutes (average)
<b>Ambient Cure (Full Properties)</b>	5 days

## Key Performance Properties

- Hydrophobic, water repellent surface.
- Self cleaning.
- Anti-icing.
- UV resistance.
- Chemical resistance.
- Clear.
- Excellent adhesion.
- Absorbs into wood fibers for long lasting protection.
- Excellent coverage rate.
- Ambient cure, short dry time.
- Easily applied with a lint-free cloth or pad.
- Environmentally friendly. VOC exempt. Will not harm marine life.
- RoHS and REACH compliant.

## Common Applications

- Wood cabinets
- Wood table tops
- Wood gun stocks
- Wood furniture
- Marine deck rails
- Butcher blocks
- Stair hand rails

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