

AT 5005 - ALPHASLICK ULTRA WET GRIP

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT-5005 AlphaSlick Ultra Wet Grip is a VOC exempt, environmentally friendly solvent based hydrophobic coating specifically formulated for maximum performance on PVC, rubber and similar surfaces. AT-5005 is UV resistant and highly durable. It creates an extremely hydrophobic surface that resists the attachment of marine organisms, dirt, debris, ice, snow, water, etc. Once treated, the self-cleaning surface maximizes performance while minimizing ongoing maintenance. When wet, AT-5005 creates a smooth Wet-Grip non-slip surface perfect for areas requiring traction but that are often exposed to water. AT-5005 is the perfect solution for inflatable topside marine applications where traction is required in wet environments.

Proudly manufactured in the USA.

Technical Data

Color	Clear
Viscosity	16-18 sec. #2 Zahn
Percent of Solids (%)	19
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	2 to 5 microns
Estimated Coverage Rate (@ 3 microns)	2,580 ft ² (240 m ²) per gallon
Dry to Touch Time (@ 77°F / 25°C) *Warmer air flow (not exceeding 110°F) will reduce drying and full cure times	15 – 25 minutes (average)
Ambient Cure (Full Properties) *Exposure to direct sunlight or warmer ambient air will reduce time required to reach a fully cross-linked cure	24 hours

Key Performance Properties

- Hydrophobic, water repellent surface.
- Wet-Grip non-slip surface when wet.
- Self cleaning.
- Anti-icing.
- UV resistance.
- Excellent adhesion. Creates intrinsic bond with the substrate.
- Clear.
- Non-flammable.
- Excellent coverage rate.
- Ambient cure, short dry time.
- Environmentally friendly. VOC exempt. Will not harm marine life.
- RoHS and REACH compliant.

Common Applications

- Boats
- Marine ladder steps and hand rails
- Gangways
- Swim decks
- Shower floors
- Tub floors

Supplemental Information

The AT - 5000 Series includes multiple high performance hydrophobic protective coatings designed for different end uses and a variety of slick, wet grip and textured finishes. Contact your AlphaTek representative to find the best coating for your requirements.