

AT 5008 - ALPHASLICK SCREEN

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT-5008 is specifically formulated for screen or mesh type materials that require extreme hydrophobicity while allowing the passage of air. It is an easy to apply nano-ceramic finish that makes treated surfaces extremely slick/hydrophobic. It has excellent self-cleaning properties because dirt, ice or snow will not attach to the hydrophobic surface. The dry film is optically clear and will not cloud or discolor most substrates. AT-5008 dries very quickly making it excellent for high speed commercial applications. Once cured, AT-5008 provides excellent UV protection and can withstand extreme hot and cold temperatures, making it the perfect solution for protecting a wide variety of surfaces from weathering.

Proudly manufactured in the USA.

Technical Data		Key Performance Properties	
Color	Clear	<ul style="list-style-type: none">• Hydrophobic, water repellent surface• Breathable• 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• Easy to apply by spray or dip.• Environmentally friendly.• VOC exempt.• Will not harm marine life.• RoHS compliant.• REACH compliant	
Viscosity	12 sec. #2 Zahn		
Percent of Solids (%)	16		
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		Common Applications	
Average Applied Dry Film Thickness	2 to 3 microns	<ul style="list-style-type: none">• Any screen or mesh material that requires a hydrophobic surface.	
Estimated Coverage Rate (@ 2 microns)	3,260 ft ² (300 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 time	5 – 10 minutes (average)		
Ambient Cure (Full Properties) *After curing is complete, wash before use.	12 hours	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.	