# 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	
Color	Clear
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

Average Applied Dry Film Thickness	2 to 3 microns
Estimated Coverage Rate (@ 2 microns)	3,260 ft <sup>2</sup> (300 m <sup>2</sup> ) per gallon
<b>Dry to Touch Time (@ 77°F / 25°C)</b> *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

ALPHATEK MATERIALS, LLC

2372 Morse Ave., Ste. 167, Irvine, CA 92614

contact@alphatekmaterials.com

All statements, technical information and recommendations contained in this document are based upon tests or experience that AlphaTek believes are reliable. Environmental conditions, storage practices and many other variables may impact the performance of this product in a given application. AlphaTek is not responsible for the use or application of this product. It is the responsibility of the end user to determine the suitability of this product for the end application. No warranty is written or implied regarding application and use of this product.

## **Key Performance Properties**

- 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

#### **Common Applications**

• Any screen or mesh material that requires a hydrophobic surface.

## **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.