

AT 5008 - ALPHASLICK SCREEN

NANO-CERAMIC COATING

APPLICATION INSTRUCTIONS

1. PRODUCT DESCRIPTION

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.

2. SURFACE PREPARATION

- Intended surface (metals, plastics, other paints or powder coatings) must be cool, clean and free from oils, dirt and any other previous contaminants.

3. APPLICATION

- As with any new material, always test application and finished properties on a low value test article or panel before working on valuable surfaces.
- Coating may be applied by spray or by dipping process.
- Target dry film build is 2 microns.
- Allow a modest amount of airflow on the coated material in order to help evaporate the solvents rapidly and help to eliminate any bridging of the screen openings. This can best be accomplished by hanging and/or moving the coated material vertically, while allowing a warm airflow to pass through the screen. This ensures all screen openings are clear of coating and the remaining coated wire surfaces are able to flash-off and start a chemical cross-linking process.
- Allow the coated screen to dry/cure for a period of time until dry to the touch before handling, rolling and/or sliding on other surfaces.
- Stamp cutting or forming should be done only after the coated screen has achieved full cure.
- Surface can be recoated at any time as needed to achieve the desired results. Most applications require only 1 application.
- Coating will continue to become more durable over time and when exposed to elevated temperatures.

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7. DRYING & CURING TIMES

Solids	16%
Drying Time	Dry to the touch in approximately 5 minutes at ambient temperatures. Warmer airflow (not to exceed 110°F/43°C) will accelerate dry time. Coated screen may be handled or rolled up shortly after it is dry to the touch. Avoid sliding the coated screen until full cure is achieved. Testing of time/cure rate to achieve acceptable abrasion resistance is strongly suggested.
Curing Time	Full ambient cure will be obtained after 12 hours at room temperature. If necessary, use a warm airflow (not to exceed 110°F) to accelerate curing.

8. COVERAGE RATE

- Coverage will be approximately 3,260 square feet per gallon (80 square meters per liter) at dry film thickness of 2 microns.

9. STORAGE STABILITY & SHELF LIFE

The shelf life is one year when stored in the original, unopened container. Store containers in a well-ventilated and covered area away from extreme heat and moisture. Contact your ALPHATEK representative if you have any questions about the products or its uses.

10. SAFETY

Refer to the Safety Data Sheet for this product prior to use.