



# AT 1455 - ALPHASHIELD GUNS & FIREARMS

## NANO-CERAMIC COATING

### APPLICATION INSTRUCTIONS

## 1. PRODUCT DESCRIPTION

AT 1455 is the ultimate protective coating for gun parts. It is clear, slick, highly durable, and provides unmatched anti-corrosion protection. AT 1455 is the perfect non-oil lubricant for maximum long-term performance. The coating may be placed on virtually any polymer or metal component in a firearm. Coated surfaces will not collect dust or grime like with oiled components. Moving components will stay slick and efficient in even the most challenging environments. AT 1455 is easy to apply and a single application provides long lasting protection.

## 2. SURFACE PREPARATION

- **Always ensure that firearms are unloaded and free of ammunition prior to applying coating.**
- Wipe-down all surfaces with denatured alcohol to remove all oils, dirt, etc.

## 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.
- Gently shake coating container prior to application.
- Where possible, disassemble components that are to be coated.
- Coating may be used on all metal and polymer components. Avoid applying to wood components as the coating may change the appearance of the wood.
- Apply coating to a clean cloth or pad. Cloth or pad should be wet, not dripping.
- Gently wipe the surfaces with a semi-damp cloth or pad allowing the coating to completely and evenly cover all surfaces with a micro-thin (2-3 micron) film.
- Do not fill threaded holes. If surplus coating is on surface, remove any excess coating from threads.
- Allow coated parts to dry for about 15 – 25 minutes until dry to the touch. If possible, hang the components while drying.
- Some finishes (e.g. blued) will soak-up more than others and so more than one application may be needed to achieve the desired look.
- If additional coats are required, allow coating to dry to the touch and then repeat the application steps above. A maximum of 3 coats should be sufficient for almost any surface.
- Coated parts may be reassembled and used once dry to the touch.
- AT 1660 may be used for routine maintenance to replenish & protect the surface from the elements.
- Treated components **do not** require oil or grease lubrication and further lubricating treated components will not improve performance. However, coated parts may be oiled or greased without damage or decreased performance.
- After using the coated firearm, simply wipe down with a dry cloth and store.
- Recommend refreshing the coating about once a year if firearm is used frequently. This will allow any new scratches to be filled in. To replenish the coating, follow the same cleaning and application steps as above.
- Treated components **do not** require oil or grease lubrication and further lubricating treated components will not improve performance. However, coated parts can be oiled or greased without damage or decreased performance.



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#### 7. DRYING & CURING TIMES

<b>Drying Time</b>	Dry to the touch in approximately 15-25 minutes at ambient temperatures. Warmer airflow will accelerate dry time.
<b>Curing Time</b>	Full ambient cure properties are obtained approximately 5 days after application (at room temperature). Warmer temperatures will result in a faster cure. Ambient cure will achieve the maximum performance.

#### 8. COVERAGE RATE

- Coverage will be approximately 1,900 square feet per gallon (47 square meters per liter) at dry film thickness of 3 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

Safety glasses and disposable gloves are recommended during application. Coating may stain certain working surfaces and so cover the area prior to application. Refer to the Safety Data Sheet for this product prior to use.