

AT 1180 - ALPHAPROOF WB

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT 1180 - AlphaProof WB is a water-based, non-flammable hydrophobic coating for use on fabrics and fibrous materials. AT 1180 creates an intrinsic bond to the substrate and penetrates deep in the fibers for maximum long-term performance. Treated materials become hydrophobic and UV resistant. AT 1180 leaves treated fabrics soft, supple and breathable. AT 1180 is perfectly suited to water-proof fibrous cloth or as a water-repellent layer on hard plastics and other surfaces to prevent a build-up of water, ice or snow.

Proudly manufactured in the USA.

Technical Data

Color	Milky White
Viscosity	16-18 sec. #2 Zahn
Percent of Solids (%)	23
V.O.C	>2%
RoHS	Compliant
REACH	Compliant
Halogens	None
Specific Gravity (ASTM D891-09)	1.00
Odor (liquid)	Slight
Odor (cured)	None

Key Performance Properties

- Hydrophobic water repellent surface.
- Self cleaning.
- Anti-icing.
- UV resistance.
- Flexible and supple.
- Breathable.
- Excellent adhesion.
- Little or no change in color.
- Non-flammable.
- Lubricates fibers for reduced friction, increased performance, and enhanced durability.
- Excellent coverage rate.
- Easily applied by dip, brush, wipe or spray.
- Ambient cure, short dry time.
- Environmentally friendly. VOC Exempt. Will not harm marine life.
- RoHS and REACH compliant.

Drying and Coverage Rate

Dry to Touch Time (@ 77°F / 25°C) *Exposing to a warmer air flow (not exceeding 110°F) will reduce drying & curing time	25-30 minutes (average)
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Ambient Cure Time *Absorbency of the solution into various substrates will vary coverage & cure time results	12+ hours
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Supplemental Information

AT 1181 (solvent based) provides maximum performance versus AT 1180 (water based). Consult your AlphaTek representative to understand the best solution for your specific requirements.

Common Applications

- Clothing
- Leather goods
- Textiles and woven fabrics (e.g. nylon, cotton, polyester, etc.)
- Rope
- Cord
- Threads
- Tarps, tents and outdoor equipment

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