

# ECOAT SOLUTIONS

## PRODUCT INFORMATION

### **ECS 1181 (AEROFABRIC)**

#### **SOLVENT-BASED FLAME RESISTANT ULTRAHYDROPHOBIC AEROGEL FABRIC & FIBER COATING**

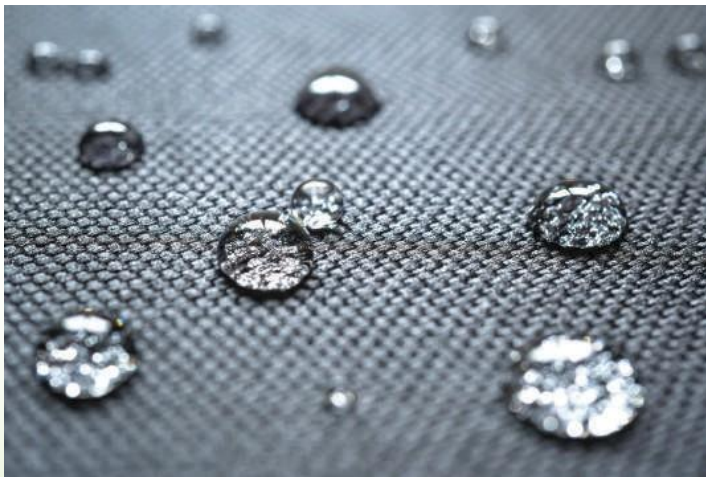
ECS 1181 AeroFabric is a VOC exempt, environmentally friendly solvent-based coating that creates an extremely water repellent hydrophobic surface. Fabrics are treated with an aerogel nano-ceramic mixture and shed water quickly while remaining breathable. ECS 1181 is UV resistant and has no residual odor. Treated fabrics remain very soft and flexible. ECS 1181 bonds with fibers to create long-term durable performance and enhanced tensile strength. Treated fibers are covered in a self-lubricating dry film that reduces friction to improve performance and reduce wear. ECS 1181 is non-flammable and will decrease flame spread in treated fabrics

#### **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.

#### **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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