

EVERSHIELD® ZERO19

SUPER DURABLE WATER REPELLENT



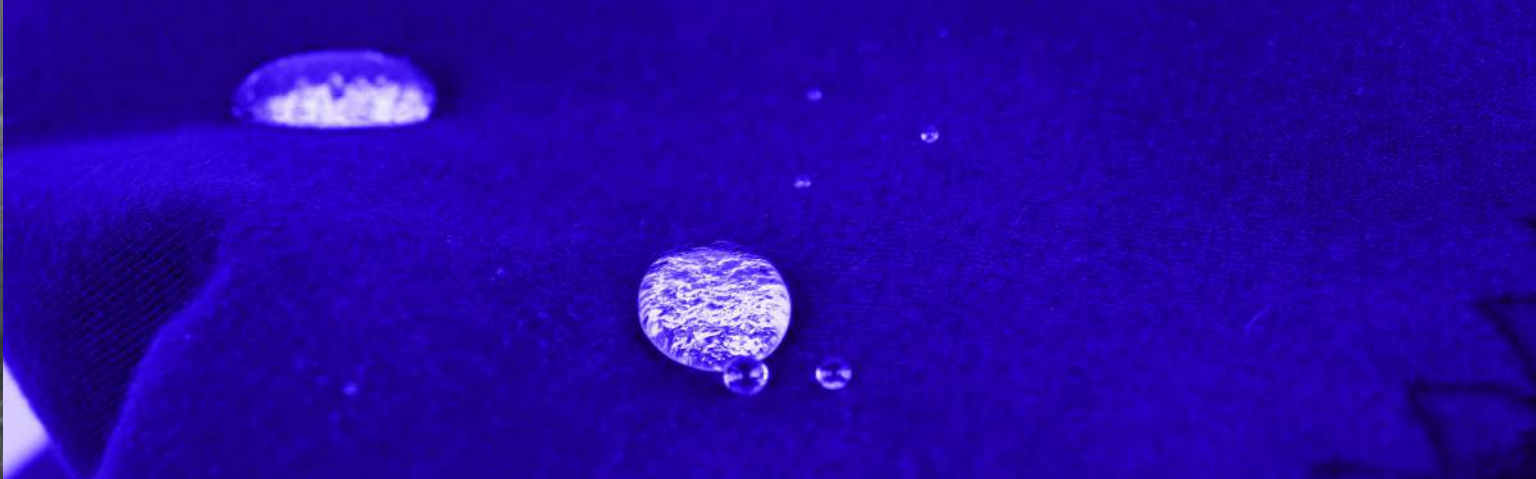
DEFLECT AND PROTECT.™



Life is unpredictable. Life is messy. EverShield® ZERO19 fabric protection is changing the way that we interact with the world so you can get your hands dirty without worrying about the consequences.

EverShield ZERO19 is a PFAS-Free, Super Durable Water Repellent (SDWR) that deflects water. SDWRs have evolved from DWRs with superior durability while repelling water.

SDWR
SUPER DURABLE WATER REPELLENT



Save energy. Save money.

Unlike some DWRs, EverShield treated fabrics can be washed at standard temperatures. No superheated wash or drying cycles are needed to maintain superhydrophobicity. Cooler water and cooler dryers means less energy consumption and lower operating costs.



BATTLEFIELD BEGINNINGS

In the mid-2000s, Army General John Caldwell challenged scientists at the US Army Natick Soldier Research, Development & Engineering Center to develop a “self-cleaning” uniform. The goals of the project were to create highly repellent and durable textiles that resist the attraction of liquid and solid contaminants while minimizing the laundering burden. Ultimately, UltraTech International’s EverShield Fabric Protection was born.

Building upon the knowledge and expertise gained from this groundbreaking project, our team has developed EverShield ZERO19 Fabric Protection, a cutting-edge formula that builds upon the insights and learnings from the original EverShield technology. This innovative product offers exceptional protection against some water and water-based stains and contaminants and is PFAS-free.

HOW DOES IT WORK?

Creating Performance Fabric

SDWR
SUPER DURABLE WATER REPELLENT

EverShield establishes a polymer coating that encases each fiber of the material, significantly increasing durability through a complex, protective matrix.

CROSS-LINKER

EverShield utilizes a chemical additive called a cross-linker that connects polymer chains and makes them stronger. The result is a stronger fabric treatment that allows for greater durability.

ADVANCED DURABILITY

EverShield forms a strong link between polymers that are uniquely bound together to create fabric protection that is very durable and long lasting.

CONFORMAL COATING

During the treatment process, each individual fiber is coated with EverShield unlike some fabric protection that only provides surface treatment.

FEATURES & BENEFITS

EverShield ZERO19 outperforms DWRs by repelling water longer, offering durable high performance, up to 30+ washes



Superhydrophobic
Superior water repellent



Icephobic
Repels and reduces the formation of ice



Extremely Durable
Protection for up to 30 washes



Excellent Breathability
Preserves fabric breathability



Original Feel
Retains fabric softness and feel

Additional Benefits:

- ◊ Unique self-cleaning capability
- ◊ Colorfast and retains fabric's original hue
- ◊ Does not compromise base fabric's flame retardancy
- ◊ Ability to incorporate anti-microbial agents
- ◊ Uses conventional dip/pad/dry treatment process

APPLICATIONS

Athletics
Camping
Medical
Restaurants
Children's Clothing
Automobiles
Outdoor Sports
Military
First Responders
Uniforms
Industrial
Home Goods



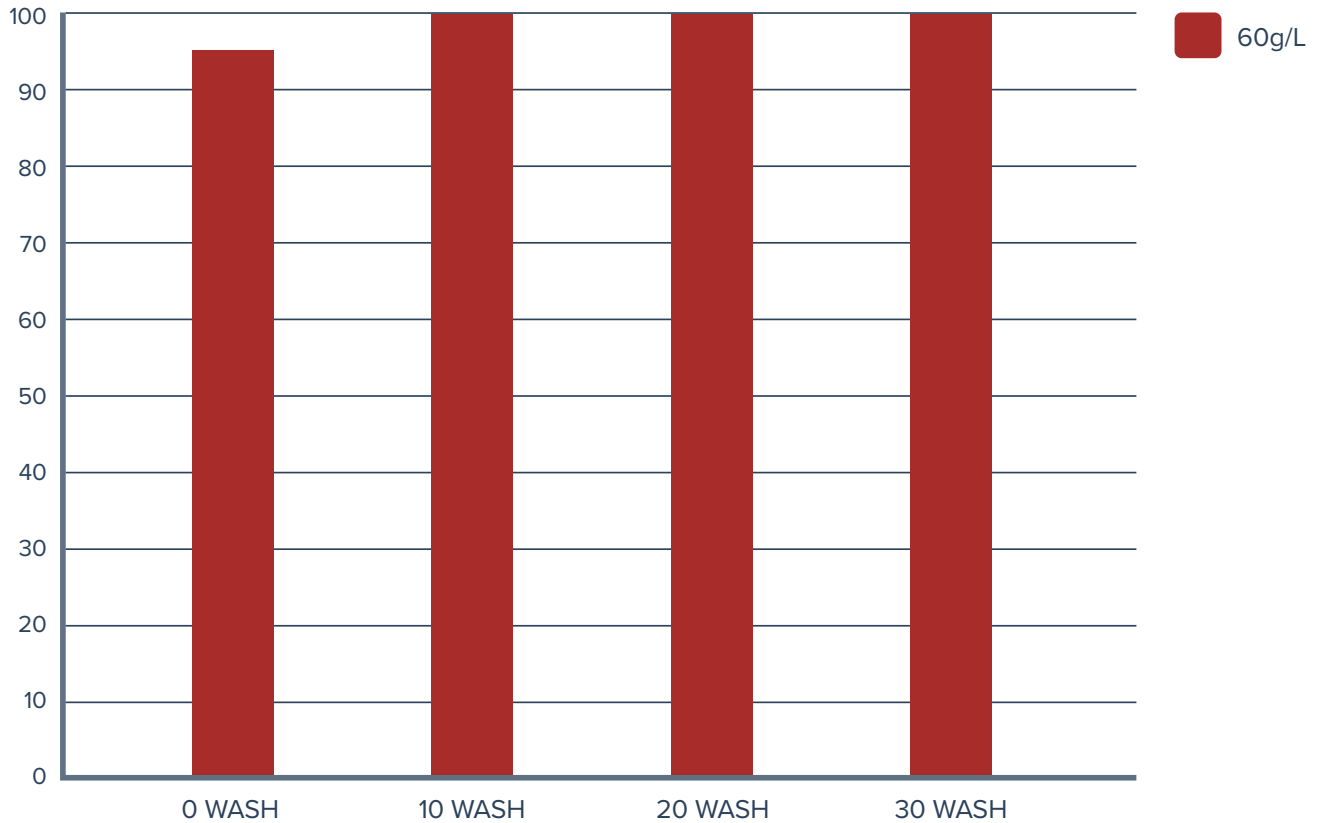
FABRIC'S FORCE FIELD™

EverShield ZERO19 creates a polymer coating around each fiber that is woven into a fabric giving it a “force field” of protection with outstanding repellency and long lasting durability.



COATING REPELLENCY DURABILITY

EverShield ZERO19 - Water Repellency (AATCC 22)

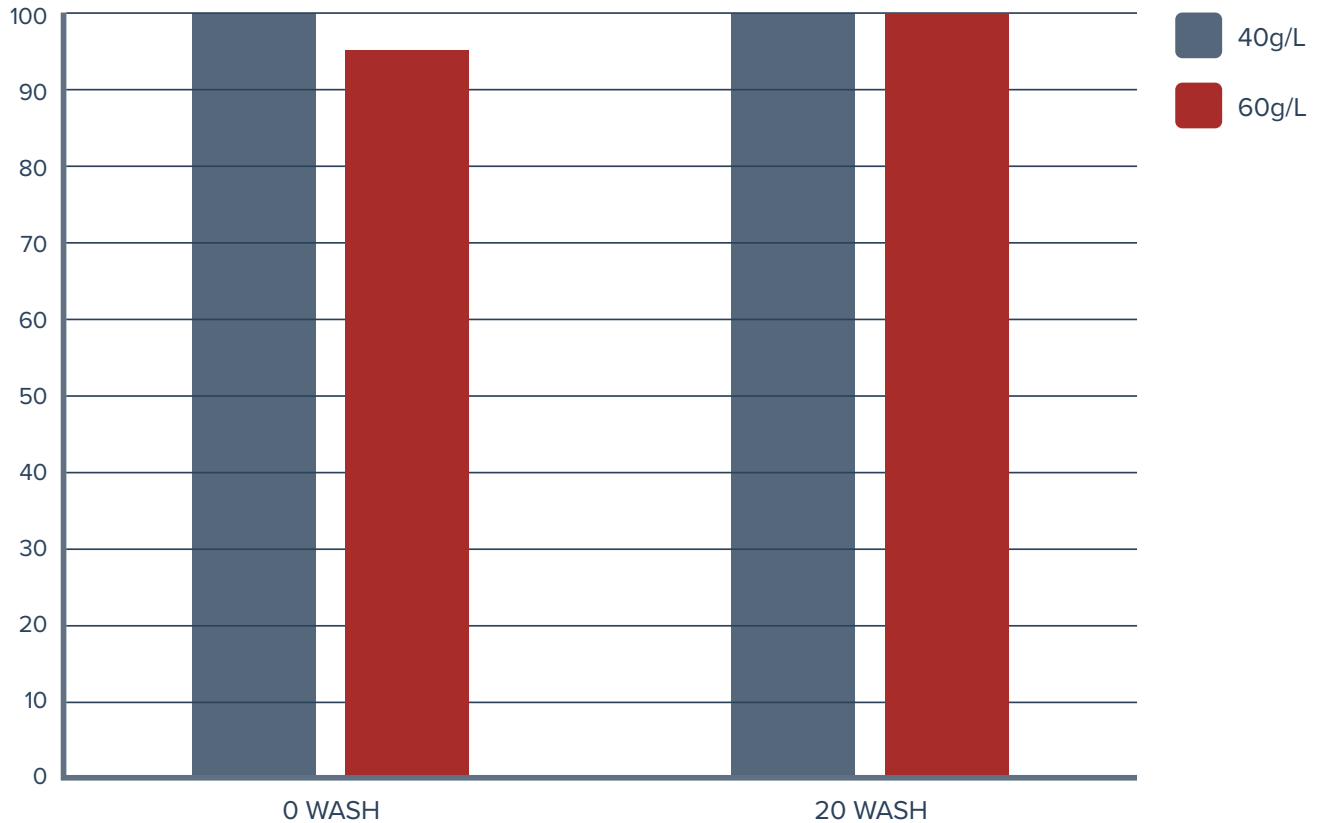


Data shown is for EverShield ZERO19 applied to polyester.

Wash testing according to AATCC 135 - Cold water wash and rinse - Hot dry

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