**Water Absorbency Spray Rating (WASR) Testing: Durable Water Repellency Measurements**

WASR testing is run in conjunction with AATCC TM 22 spray testing after 30HLTD. WASR testing measures the percent wet pick-up of 80⁰F water after spray testing. Each control fabric requires an individual spray rating key to enable WASR testing to quantify the reductions in water absorbency of an entire test specimen. A correlation is then made possible to compare the deflection of water from the exterior fabric surface to how much water is absorbed after spray testing.

Both durable water repellency testing methodologies, AATCC TM 22 and WASR testing, require the removal of residual laundry detergents after thirty successive launderings. Soaping agents, that utilize both hydrophilic and hydrophobic surfactants to release water-based and oil-based stains, prevent the correct assessment of durable water repellent treatments, after 30HLTD, without removal by water rinsing.