

ProShield®5000 D offers a patented, EPA-registered technology for inhibiting the growth of a wide array of bacteria, mold, mildew, algae, fungi, and yeast on textile materials. Remaining effective through multiple launderings. Unlike conventional antibacterial agents that leach from the surface and into the environment, ProShield® 5000 D produces a durable biostatic finish that destroys microbes on contact. Conventional antibacterial agents work as poisons and require regular reapplication. In addition, hardier microbes that survive can flourish and replicate, creating poison-resistant "superbugs." In contrast, ProShield® 5000 D physically destroys microbes by rupturing the cell wall. There are no poisons to be exhausted, and microbes do not become resistant.

ProShield® 5000 D is an aqueous solution of an organosilane active material. It contains no solvents and is not flammable or corrosive. It is extremely durable and remains effective after multiple launderings. In addition to antimicrobial protection, ProShield® 5000 D provides durable antistatic properties and lubricity on all types of fibers. It can be applied to a broad range of textile products, including bed sheets, towels, blankets, socks, bedspreads, carpets, draperies, mattress pads and covers, outerwear, nonwovens, shower curtains, upholstery, wallpaper, undergarments, uniforms, footwear, and outdoor equipment. Optimum application and drying conditions should be determined for each substrate before commercial application.

Physical Properties

Appearance:	Clear Liquid
pH (undiluted):	3.0 - 5.0
Solubility:	Readily Soluble in Water
Specific Gravity:	0.97 - 1.01 g/cc
% Active:	5.0

Laundry Applications

Run a complete wash cycle, including final rinse and extraction. Start a new cycle and fill the machine with hot water (120 °F). Add 6% per weight of goods (6 pounds ProShield® 5000 D per 100 pounds of laundry). Run for 20 minutes at 120 °F to exhaust the ProShield® 5000 D. Drop the bath without rinsing extract, unload goods, and dry as usual.

Non Warranty

The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

