Goldshield
Residual Effect

ABOUT US

Residual Effect

The real difference is the fact that after an application of Goldshield, it continues to protect for a significantly longer time than others in the market. In fact, one application of Goldshield Hand Sanitizer has been tested and proven to protect up to 24hrs after application. The surface protectants will remain active for 90 days, meaning applications are less but far more effective compared to alcohol based solutions.

Here's How Goldshield's Core Technology Works

Through a variety of domestic and international regulatory testing protocols Goldshield products have been shown to possess very unique characteristics:

Goldshield 5 & 75
Possess a surface penetrating compound that provides better coverage and thus better efficacy, 1A, there is the "silane base." This is the compound that anchors and triggers the covalent bonding functionality which allows Goldshield 5 and 75 to adhere to surfaces and textiles and remain durable for up to 90 days. Goldshield's 5 and 75 resultant durability means Goldshield is not fugitive, i.e., does not leach or become mobile. Goldshield actually becomes part of the surface to which it is applied.

Nitrogen Molecule: In nature many microbes are negatively charged. The "nitrogen" molecule, in Goldshield is positively charged therefore, as in nature, the nitrogen molecules in Goldshield "attract" the negatively charged microbes toward them until contact.

Long Carbon Chain: Another part of Goldshield is a long carbon chain that releases an ionic charge that disrupts the microbe's cell membrane upon contact *mechanically* inactivating the microbe. At the same time, the quaternary compound component of Goldshield denatures the microbe's proteins ... *chemically.*