



ARMOURGUARD[®] RTU

Spray On Stay On Antimicrobial Technology

A new category in biosecurity that has continual antimicrobial activity for up to 90 days.

WHAT MAKES ARMOURGUARD RTU UNIQUE?

EPA approved silane quaternary ammonium salt (Si-Quat) solution providing long-term antimicrobial protection. ArmourGuard RTU's technology imparts a durable antimicrobial coating providing up to 90 days protection on a wide variety of treated surfaces. This new technology is based on the use of quaternary ammonium silicone as the antimicrobial agent in an aqueous solution giving it the ability to coat and adhere to all surfaces. As a water-based compound, ArmourGuard RTU is non-flammable, requires no solvents for dilution, needs no special handling and is uniformly dispersed on almost any surface.



EPA Reg. No. 94418-1-93810
EPA Est. No. 8831-TN-0001

Available in 32 ounce, 1 gallon, 5 gallon, and 55 gallon drums.

BENEFITS

- Provides a durable antimicrobial finish lasting for up to 90 days
- Prevents biofilm formation
- Silane adheres to surface providing invisible durable finish
- Enhances biosecurity protocol to be used in addition to disinfectant protocol
- No microbial adaptation, resistance or mutation
- Odorless, colorless and non-toxic
- Approved for use on a wide variety of surfaces and locations

FOR USE IN

Medical Offices/Hospitals/Imaging centers/Outpatient surgery centers

- Doors, chairs, floors, treatment areas, counters, Public restrooms (*all fixtures*), beds, wheel chairs

Pharmacies

- Patient care centers
- Counters
- Point of sale components
- Public restrooms
- Door handles

Corporate Offices

- Public waiting areas
- Doors, elevator equipment, railings
- Board room furniture and fixtures
- Restrooms
- Shipping/receiving areas
- Corporate Transportation

Assisted Living Facilities/Nursing homes/Group homes

- All common areas (*not in contact with food*)
- Apartments/rooms - Furniture, bathrooms, doors, floors
- Common waiting areas
- All entry ways, floors, common work areas

Public Business (retail, restaurant, service industry)

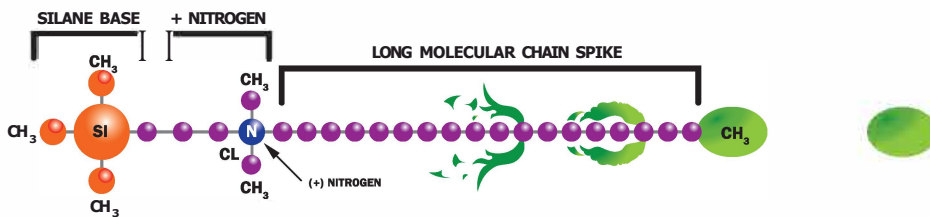
- Doors, entry ways, common waiting areas, high traffic areas such as customer service counters, carts and displays, restrooms (*all fixtures*), break rooms, shipping/receiving

Schools/Universities

- Treat all public areas, classrooms, floors, lunch rooms (*non food areas*), offices, vending machines, main office, gymnasiums, athletic centers, athletic equipment

DIRECTIONS FOR USE

The initial application should be made after the premises are disinfected. ArmourGuard RTU can be applied to a wide variety of surfaces by spraying, wiping, dipping, soaking or brushing. Reapply every 90 days. In high traffic areas more frequent applications may be needed. One gallon of ArmourGuard RTU provides between 500 to 1,500 square feet of coverage depending on the application method and surface type.



MODE OF ACTION AND FUNCTION

When quaternary ammonium salts react with silanes, they form an integrated complex. When this complex is applied to any surface, it forms an invisible and durable (polymerized) antimicrobial coating or barrier making it very effective against a wide range of microbes.

Silane Base. The first section of the long chain molecule is a silane base, which enables the antimicrobial to anchor securely onto the substrate.

A bond is formed providing long-lasting and sometimes permanent antimicrobial protection against a broad range of microorganisms.

Positively Charged Nitrogen. The second section of the long chain molecule is a bolt of electricity that kills any microbe. A positively charged atom of nitrogen attracts the negatively charged membranes of some microbes. This mechanical kill negates the need for toxic chemicals.

Long Molecular Carbon Chain. The third section of the long chain molecule is the "spike" that initially comes into contact with the offending microbes. This acts like a sword that punctures the cell membranes of all microbes.

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