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**PenetrexX**  
**ANTIMICROBIAL**

## ANTIMICROBIAL RTU

**A SILANE QUTERNARY AMMONIUM SALT Biostatic/Fungistatic/Algistatic**

**PRODUCT DESCRIPTION:** Clearstream's *PENETREXX® Antimicrobial* is a highly effective biostatic/fungistatic/algistatic surface treatment that is specifically designed to form a permanent bond on virtually any surface. This bond creates a long-lasting antimicrobial barrier inhibiting the growth of odor causing organisms with broad spectrum activity, effective against gram (+) and gram (-) bacteria, fungi, algae and yeasts.

**FEATURES:** Good durability *PENETREXX® Antimicrobial* imparts durable, broad spectrum antimicrobial activity to the surface of a wide variety of substrates; it is leach-resistant and non-migrating and is not consumed by microorganisms. Imparts a safe durable barrier that protects treated surfaces and is highly effective in extreme temperatures and wet weather conditions. Increased efficiency—through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of *PENETREXX® Antimicrobial*.

**APPROVED USES:** Specially formulated for uniform coverage on: **Locations:** Hospitals, nursing homes, elder care centers, elder care facilities, medical and dental offices and clinics, physician offices, operating rooms, surgical suites and surgical theaters; radiology rooms, isolation wards, quarantine areas, hospices, medical research facilities, washing areas, intensive care units (ICU's), autopsy rooms and morgues, sick rooms, skilled nursing facilities, rehabilitation and physical therapy facilities, hospital emergency rooms and independent emergency clinics, outpatient clinics, oral maxillofacial surgical centers, prosthodontist offices, prosthetic manufacturing facilities, independent and out-patient surgical centers, treatment rooms, diagnostic facilities, X-ray facilities, CAT scan & MRI facilities, public areas, waiting rooms, nursing stations, pharmacies, laboratories, laundries, equipment rooms, administrative and staff offices, medical records areas, patient care rooms, recovery rooms, exam rooms, newborn nurseries, neonatal units, orthopedics, respiratory therapy, blood collection rooms, central supply, housekeeping and janitorial areas, ophthalmic and optometric facilities, hospital ships, military hospitals including M.A.S.H. units, public showers and restrooms, restaurants, cafeterias, institutional kitchens, hospital dietary kitchens, walk-in coolers and freezers, food storage areas, food handling and processing areas, emergency vehicles, ambulances, police cars, fire trucks, critical care and organ transport vehicles, EMS, fire and police stations; military, police, and fire training facilities and barracks.

**SURFACES:** Hospital beds, mattresses, mechanical systems, headboards, footboards, control panels, and adjustable side rails, side tables, over the bed tray tables, telephones, cell phones, call buttons, remote controls, case goods, door handles, computer trays, computer screens, keyboards, mobile computer stands, stands with blood pressure, pulse, temperature monitoring devices; physical therapy tables, IV stands, diaper changing stations, infant bassinets, cribs, warmers, incubators, folding tables, hampers, hospital upholstered and hard surface waiting room chairs, tables, safety hand rails, medical examination and treatment furnishings, wheelchairs, gurneys; medical diagnostic, examination, and monitoring equipment; heart and breathing monitors, stethoscopes, blood pressure devices, EKG and EEG equipment, MRI/CAT scan equipment, X-ray equipment, medicine carts, rehabilitation and therapy equipment, ventilation tents and oxygen masks, dental: drilling equipment compressed air systems, examination chairs, pedestal lighting, magnification equipment, suction/vacuum systems, and anesthesia equipment; waste receptacles, washing machines, water drinking fountains, laboratory equipment; autoclaves & sterilizers, mixers, ovens, vent (fume) hoods, centrifuges, water purifiers, incubators, stability chambers, spectrophotometers, pipettes, beakers, tubes, glassware, biosafety cabinets, chillers, microplate equipment; hospital soft goods: upholstered furniture, linens, gowns, patient and healthcare provider garments, towels, blankets, pads, privacy curtains, other bedding, pillows & pillow covers, disposable diapers (non-woven),



Surface	Penetrex® Approximate Spread Rates/ per gallon RTU													
	Applicator													
	32 oz spray bottle		Back Pack Garden Sprayer		Hand Held Garden Sprayer		Low pressure paint sprayer		Electrostatic sprayer		Rag and bucket wipe		Mop and bucket wipe	
Stainless steel/Tile/smooth surface	1400	SF	N/A	SF	N/A	SF	N/A	SF	6000-12000	SF	500	SF	500	SF
Concrete	900	SF	500	SF	500	SF	1000	SF	N/A	SF	N/A	SF	N/A	SF
Indoor porous surfaces/fabric/carpet	800	SF	200	SF	200	SF	200	SF	6000-8000	SF	N/A	SF	N/A	SF

feminine napkins, adult incontinence products, fabrics: woven and non-woven, natural, and synthetic; disposable wiping cloths. air filters for furnaces, air-conditioners, air purification devices, building materials and components for: floors, walls, ceilings and fixtures, cabinetry, wallboard, wood and wood components, plumbing fixtures, finished baseboards and windowsills, metal structural components, vinyl, stone, brick, cement, concrete, doors, windows, composite materials, painted surfaces, glass surfaces; aluminum, brass, copper, metal, plated steel, stainless steel; glazed porcelain, tile, and ceramic; sealed granite and marble, plastics, sealed limestone, slate, stone, terra cotta and terrazzo; chrome, Plexiglas®, enameled surfaces, countertops, laminated surfaces, Formica®, washable wallpaper, windows, mirrors; shower stalls, doors and curtains; basins, bathtubs, chrome plated intakes, commodes, urinals, vanity tops, bath hardware, composite surfaces, floor coverings, finished floors, hardware, door knobs, handles, light switches, lighting fixtures and equipment, shelving, racks, carts, appliances, beverage and water supply lines, tubing, and dispensers, soft drink machines, coffee dispensers, ice machines, food packaging materials, food storage containers and materials, general purpose containers and equipment, restaurant furniture, elevators, escalators, mechanical people movers, carpets and rugs, carpet underlayment, carpet padding and mats, curtains and draperies, Personal Protective Equipment (PPE).

**BENEFITS:** Prolongs the life of an article by inhibiting the growth of bacteria and mildew. Provides a treatment that is not destroyed by cleaning or washing. Resists odors and stains through chemical protection.

**HOW TO USE:** PENETREXX® Antimicrobial is a Ready to Use (RTU) formula which requires no mixing or dilution. It can be sprayed or wiped onto a wide variety of substrates (refer to directions on label).

After applying treatment, the surface should be allowed to dry. Open windows or other means of ventilation to remove moisture from the area.

Product should be reapplied after heavy use or 90 Days.

To prevent streaking or spotting on glass or high sheen surfaces wipe excess product away before drying.

**NEUTRALIZATION AND ENVIRONMENTAL PROTECTION:** Inactivation of solutions containing PENETREXX® Antimicrobial may be accomplished by the addition of an anionic surfactant or detergent equivalent in quantity to that of the PENETREXX® Antimicrobial solution. PENETREXX® Antimicrobial is toxic to aquatic organisms. Do not discharge effluent into lakes, streams, ponds, oceans or other waters without permit.

**FIRST AID: Skin:** Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists. **Eyes:** Flush with large quantity of water with eyelids open. Seek medical attention. **Inhalation:** If breathing becomes difficult remove victim to fresh air and monitor. Seek medical attention if symptoms persist. **Ingestion:** Have victim drink large amounts of water. Seek medical attention immediately. Do not induce vomiting unless advised to do so by physician or Poison Control Center.

**CAUTION! KEEP OUT OF REACH OF CHILDREN.**

Contact a Physician or Poison Control Center 800-222-1222 if signs or symptoms develop.

**STORAGE AND SHELF LIFE:** When stored in original unopened containers between (43-110°F), *PENETREXX® Antimicrobial* has a minimum shelf life of 12 months from the date of shipment. Since the material is moisture sensitive, keep containers tightly closed after each use.

**PROPERTIES: Product Specifications: Active Ingredient:** Silane Quaternary Ammonium Salt

**Color:** Clear Cloudy to Straw

**Odor:** Mild

**FLASH POINT:** >212°

**pH:** 4.0-6.0

**EPA Reg. No.:** 92057-3

**AVAILABLE PACKAGE SIZES:** 32 oz., 1 Gallon, 5 Gallon, 55 Gallon, 275 Gallon Totes

**HANDLING:** Wear appropriate personal protective equipment if electrostatic spraying or fogging, including but not limited to goggles face shield, respiratory protection.