

Helping you choose optimal antimicrobial technology

	MonoFoil® SILANE-BASED	SILVER-BASED	TRICLOSAN-BASED
MODE OF ACTION	Physically ruptures the cell membrane	Releases ionic free radicals that react with the cell DNA and disrupts critical life processes in the cell	Releases chlorinated phenols and other organic radicals for consumption or cellular absorption, causing lethal mutation
LEACHING OR NON-LEACHING	Chemically bound, covalent bonding & non-leaching	Embedded and designed to leach out and be metabolized by cells	Embedded and designed to leach out and be metabolized by cells
COST IN-USE	Economical	Expensive	Moderate
MUTATION RISK OF MICROBE	Does not promote adaptive organisms	Can create adaptive organisms	Can create adaptive organisms
APPLICATION SAFETY AND HANDLING	Mild eye irritation	Harmful if inhaled. Harmful if absorbed through the skin. Moderate eye irritation	Harmful if inhaled. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing Do not breathe dust
COLOR CHANGES TO SURFACE/FIBER	Does not change surface/fiber color	Color shifts to brown, gray, and yellow can occur	Does not change surface color

COMPARISON OF MONOFOIL® VS. LYSOL VS. BLEACH

	COST/ LITER	APPLICATION/ YEAR	# LITERS NEEDED/YEAR	ANNUAL COST	APPLICATION LABOR TIME	APPLICATION LABOR COST PER APPLICATION	ANNUAL COST FOR LABOR	DISINFECTION PROTECTION	VOC
MONOFOIL	\$21.41	12	2.25	\$48.17	10 mins	\$1.84	\$22.08	30-days+	no
LYSOL	\$11.90	365	22.8	\$271.32	10 mins	\$1.84	\$675.25	minutes	yes
BLEACH	\$.68	365	22.8	\$15.58	35 mins	\$6.45	\$2,354.25	minutes	yes

BASED ON 200 TREATED SQFT.