



**MAXIMUM PROTECTION WITH
SILVER IONS**
ANTIMICROBIAL TECHNOLOGY
SERVES YOUR HEALTH

Kets | **MATTRESS®
TICKING**

THE ART OF
Comfortable Sleep.

#Health&Hygiene / #AntiBacterial / #Silvtech

ketsmattressticking.com

Features

Antimicrobials have been available for years, but they lacked reliable efficacy and consistent durability against microbe derived odors on textiles. SilvTech antimicrobial delivers “intelligent” microbial control. Controlled-release technology, SilvTech delivers a low concentration of silver ions to fabric surfaces to control malodor-generating bacteria.

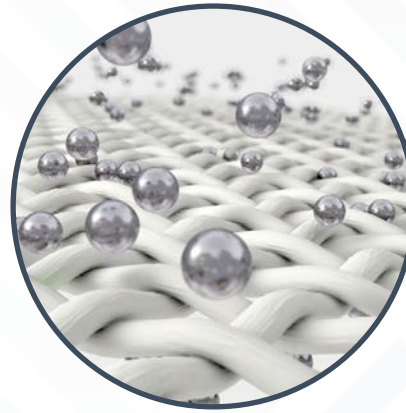
The revolutionary technology contained in SilvTech is only aqueous-base-silver-polymer delivery system.

Delivery system requires less silver to eliminate bacteria, substantially reducing waste.



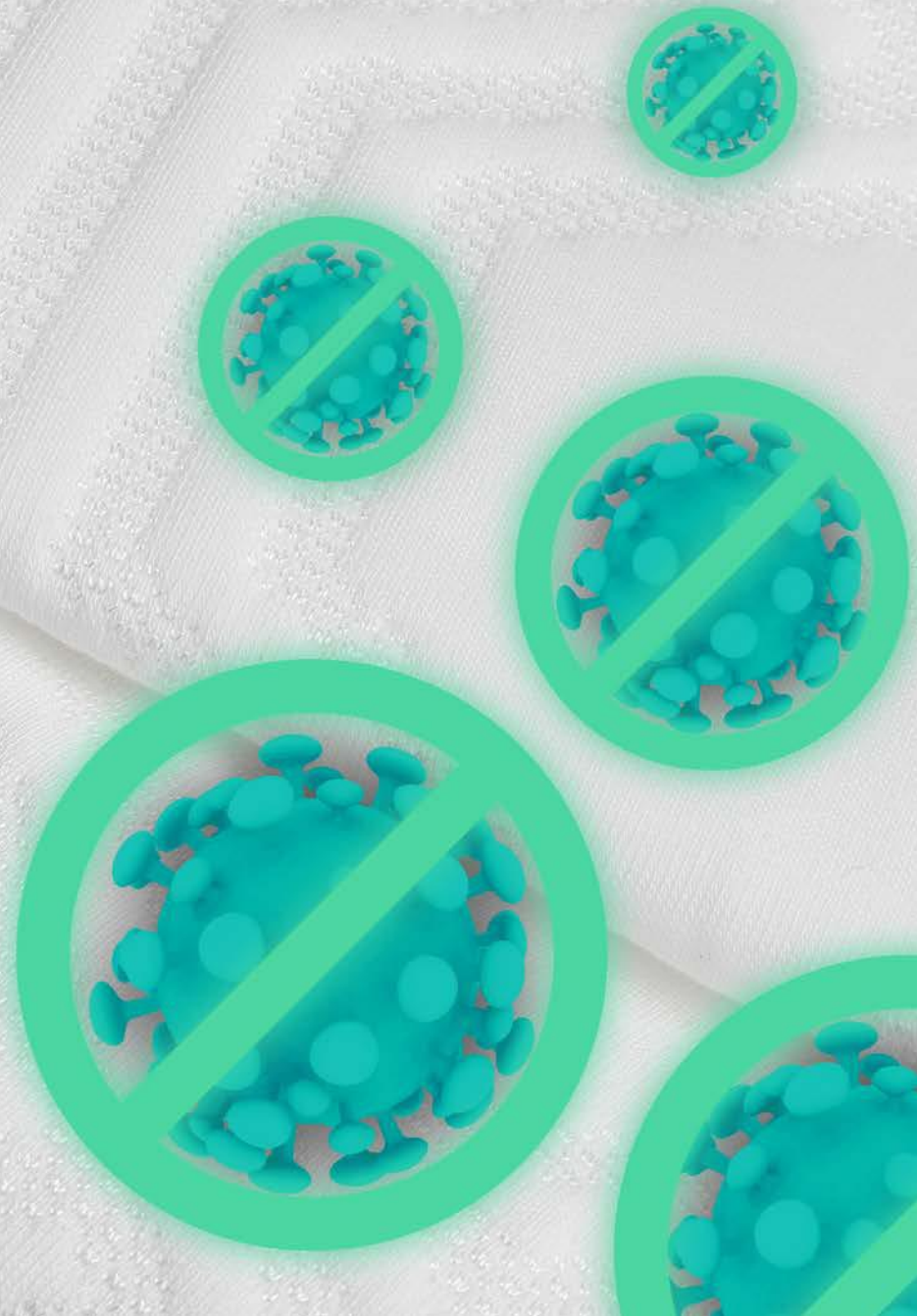
Protection Feature

SilvTech technology's fully soluable polymer system delivers silver ion to the treated fabric surface for a uniform coating unlike silver and zinc pyrithione particle technologies, which leave voids in protection and accumulate between fibers. SilvTech uses less silver and generates less waste without compromising performance across the treated article.



Advantages

- Highly effective
- Safe and non-sensitizing
- Ecologically friendly
- Saves resources
- Long lasting odor protection
- No colour change
- No inuence on the handle
- For natural and synthetic bers
- High active in performance
- 100% performance up to 50 washes based on the industry standard



Test Result

...And Demonstrates Significant Bacterial Reduction

Test method: AATCC 100; 1:20 NB in sterile distilled water + 0.05% Triton X-100 wetting agent; 24 hour contact, 1.0g sample; 1000ul inoculum; 10 ml D/E neutralizing broth; EMB agar; Mannitol Salts agar

Test Organisms	Staphylococcus aureus (ATCC 6538) Klebsiella pneumoniae (ATCC 4352)			
Concentration of inoculum (cells/ml)	S. aureus		K. pneumoniae	
	1.88E+05		1.99E+05	
Method Used to Measure Living Bacteria	Pour Plate Method			
Sample Material	%100 Polyester			
	S. aureus Percent Reduction from Supplied Control		K. pneumoniae Percent Reduction from Supplied Control	
	Initial	50x	Initial	50x
UNTREATED	-	-	-	-
SILVADUR™ TREATED	>99.9%	99.9%	>99.9%	>99.9%

Conclusions: The samples were washed using AATCC 61-2A method to simulate 50 home launderings. The treated sample demonstrated significant bacterial reduction compared to the supplied control before and after washing. This treated sample passes Tier 1 screening for determining durable antimicrobial activity of treated articles.



Kets

MATTRESS[®]
TICKING