

HNS Collection

FR

Functional Earthing Bedding with X-Static Silver

Functional Healthy Bedding
by HNS

Earthing Energy Bedding set

FR earthing bedding set weaved by X-static's silver fiber with Earthing treatment has proven effectiveness of its characteristics by a wide variety of clinical tests such as anti-bacterial & sterilization and resist house dust mite. Especially, it has remarkable effects for anti-static and resist electromagnetic wave caused by X-static silver with special Earthing treatment to textiles by our own technology.

Functional FR bedding effectively improves the body's blood microcirculation work improves the quality of sleep, fatigue. Furthermore, stimulates blood circulation, activates the body's cells, regulates the vegetative nervous system disorders, restores the body's physical strength, increases the body's resistance to diseases, to health and support the body's healing effects cardiovascular system of microcirculation disturbance induced diseases.

We have a good reputation for its excellent clinical experiences, elegancy & luxury design and high quality product from customers in home and overseas market.

We will do our best efforts to research and develop a variety of design to improve a healthy and comfortable sleeping for the quality of life.

Earthing pad with Silver ; FR-EP



Earthing bedding comforters ; FR-EBC



Luxury Silver Bedding set

Earthing pad with silver ; FR-EP

- Size : 160 X 210 (cm)
- Outer 1 ; 100% polyester Jaquard - Outer 2 ; 100% Cotton
- Outer 3 ; 100% polyester (anti-slick textiles)
- Inside 1 ; Polyester & Silver fiber yarn (An anion & Far-infrared processing)
- Inside 2 ; 100% polyester

Silver bedding comforter : FR-EBC

- Size : 220 X 230 (cm)
- Outer1 : 100% polyester Jaquard, - Outer 2 : Cotton 100%
- inside 1 : Polyester & Silver fiber yarn , An anion & Far-infrared processing
- Insdie 2 : 100% polyester wool

Pillow ; FR-PL

- Size : 40 X 60 (cm)
- Specification ; Same material as Earthing bedding set
- Consist ; 2 pcs / set

Characteristic of Earthing Energy

What is Earthing Energy ?

Earthing, or grounding as it is often called, simply means connecting to the Earth's natural, negative surface charge by being barefoot outside or in bare skin contact with conductive systems indoors while you sleep, relax, or work.

A simple concept, yes. But one with profound impact on the physiology. Connection with the Earth restores a lost electrical signal to the body that seems to stabilize the complicated circuitry of our essentially-electrical body. Our built-in self-regulating and self-healing mechanisms become more effective. There are head-to-toe improvements.

Better blood flow. Less pain and inflammation. More energy. Deeper sleep.

For many people the effect is dramatic, like charging a failing battery. For others, the effect is gradual and subtle. The research indicates that Earthing transfers negatively charged free electrons into the body that are present in a virtually limitless and continuously renewed supply on the surface of the Earth.

The existence of this unseen electron "reservoir" has been established by science. Maintaining contact with the ground allows your body to naturally receive and become charged with these electrons. When thus "grounded," any electron deficiencies and free radical excesses in the body are corrected.

A natural electrical state is restored.

Why is this so important ?

Electrons are the “object of affection,” so to speak, of positively charged free radicals, the biochemical agents that cause oxidation in the body. Electrons are the source of antioxidant power. We believe this influx of electrons from the ground serves to potently neutralize or quench free radicals that would otherwise steal electrons from healthy tissue, activity resulting in tissue damage and chronic inflammation at the basis of many common and serious diseases. Here, seemingly, is a simple, natural, and yet astonishingly profound remedy for chronic inflammation.

Earthing is nothing really new

It's purely old age, a revival of a timeless and forgotten law of Nature: that we belong to Nature, and part of the very connection with Nature is the connection with Mother Earth under our feet. Earthing is among the most natural and safest things you can do. The eternal ground energy feeds and nurtures living things – plant and animal life – that have their roots and body parts in direct contact with the land and the sea.

But we are disconnected from this energy. We live on the planet but are not in direct physical contact with it.



FeelRich



Earthing Energy Testimonial

Earthing Bedding provides auxiliary treatment of such diseases as, hypertension, diabetes, stroke, rheumatic arthritis, oncological diseases, cold and many other things and illnesses connected with microblood circulation. It will not only provide you with a high-quality dream, but also showing modern achievements of science, will enable during dream to retrieve the health. The complete set of functional bedding will provide you with reliable preventive maintenance and auxiliary treatment of hypertension, insult, rheumatic arthritis, tumours, colds in finitenesses, and many other diseases connected with infringement of microcirculation, helping you in the time of a pleasant dream easily and comfortably to restore health.

- Deep sleep, reducing the time until falling asleep.
- Essentially improves microblood circulation in the body of the person
- Improves the metabolism in the organism, removes weariness, restores physical strength.
- Raises activity of cells and immunity of the body.
- Opens power channels, removes pain.
- Relieves anxiety, depression, stress, and frustration

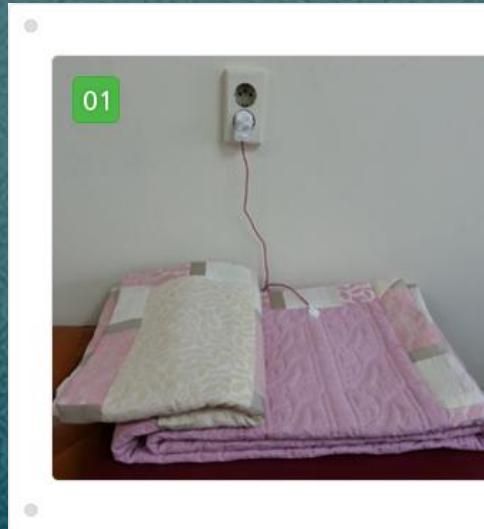


Installation of Earthing Energy to Pad



Just connect the magnetic switch to the front and back of the pad

In case of cutting silver wire of the pad, please move the magnetic switch to the other area.



Measured value of Earthing Energy



Before Earthing
32.59 V



After Earthing
0.008 V



Earthing Energy

How to use

- 1) In case of having Earthing function in the electric plug at home ; Connect the connector of the pad to the plug at home
- 3) Not having Earthing function ; Use our electro-magnetic block Multi-plug

Caution

- 1) This product is not related to electricity, but just use for Earthing (grounding) only.
- 2) During the rainy season and thunder times, please use the earthing (ground) with unplug, if possible

Washing

- 1) Please use a mild detergent to protect silver (use wool-shampoo), let dry naturally in the shade
- 2) Do not use bleach, or boiling

Characteristics of X-Static Silver fiber

X-Static story

X-static is premier silver antimicrobial technology designed to protect products from bacteria, fungi and odor

For more than 2,000 years, silver has been used for its antimicrobial properties in everything from drinking vessels to military field dressings. Now, with X-static's superior technology deliver the benefits of silver to textiles. We combine best in class antimicrobial & anti-odor protection with the benefit of body temperature regulation.

PURE SILVER. PURE PERFORMANCE.

X-STATIC® is made by permanently bonding 99.9% pure metallic silver to the surface of the fiber. Not a nanotechnology or a complex chemical formula, just natural silver.

X-STATIC® fibers and fabrics deliver 100% surface area of silver to maximize performance, yet they remain soft and flexible.

X-STATIC® is registered as an antimicrobial with the US EPA, is Oeko-Tex Standard 100 certified and is used in dozens of FDA approved products.

Characteristics of X-static Silver



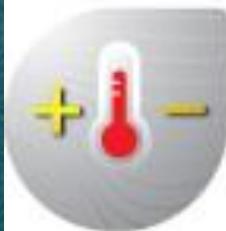
ANTIMICROBIAL

PINNACLE PROTECTION OF FABRICS FROM THE GROWTH OF BACTERIA AND FUNGI.*



ANTI-ODOR

NATURALLY ELIMINATES ODOR AND KEEPS GEAR SMELLING FRESHER.*



THERMOREGULATING

KEEPS YOU COOLER IN THE SUMMER AND WARMER IN THE WINTER.



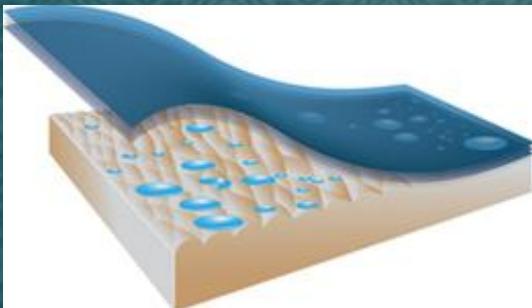
PERMANENT

DOES NOT WASH OUT – LASTS FOR THE LIFE OF THE PRODUCT. SAFE FOR THE ENVIRONMENT.

How Silver Works ;

X-STATIC® silver delivers unmatched protection and performance. Here's how it works:

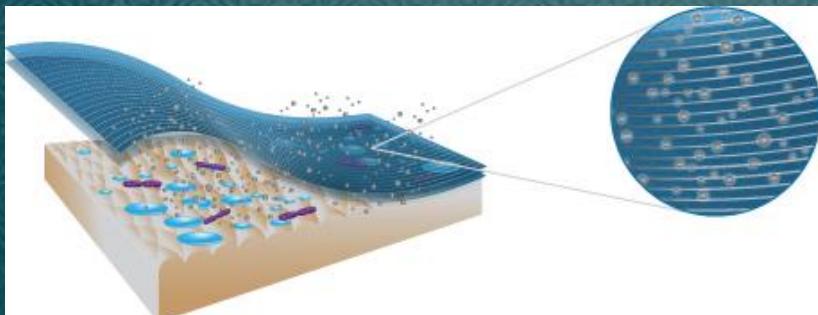
1. Odor is formed



While sweat is virtually odorless, naturally occurring bacteria on your body consume the sweat. This process is what causes the odor.

2. Positivity happens.

The moisture in the sweat combined with air causes the Silver in X-STATIC® to oxidize. This process releases a positively charged ion from the X-STATIC® fiber.



3. Silver Ions Win. Victory.



The positively charged silver ions are attracted to the negatively charged bacteria. The positively charged ions enter the cell membrane attacking the bacteria's DNA. Ultimately the silver ions drastically inhibit the bacteria on the garment preventing mutation and reproduction

Environmental Awareness

X-Static's environmental awareness and related commitment to pursuing sustainable paths for our technologies, facilities, and operations grounded firmly in our core values. We have embraced fundamental aspects of environmental sustainability and have worked hard to ensure we meet and exceed the requirements of environmental and regulatory agencies.

Tested by FITI and KOTITI

※ 한국원사직물시험연구원(FITI)

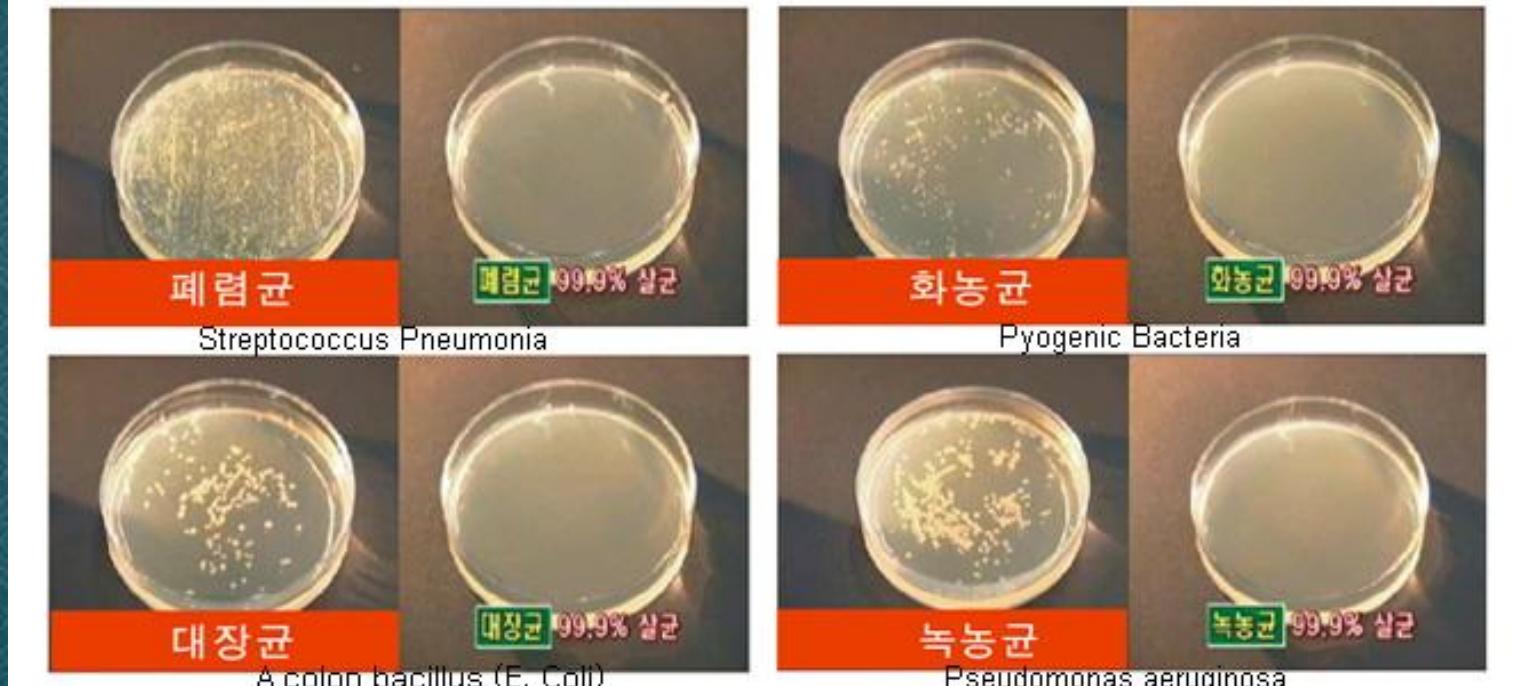
집먼지진드기 퇴치율 99.9%



Tested by Korea FITI Testing and Researching Institute
Report No. 414103-02126

Removed 99.9% Dermatophagoides

※ 한국섬유시험검사소(KOTITI)



Tested by Korea KOTITI Testing and Researching Institute ** FITI Report No. S-184 & KOTITI Report No. S-184 **

Removed 99.9% Streptococcus Pneumonia, Pyogenic Bacteria, E.Coli and Pseudomonas aeruginosa after 18 hours. Also removed 99.9% Salmonella Typhi and Klebsiella Pneumoniae.

During testing, the silver was shown to begin breaking down bacteria immediately upon contact and to achieve a reduction better than 99.9% after 24 hours. Because the silver is part of the material, the antibacterial effect lasts the lifetime of the product.

서울시 은평구 경기로 922-64 TEL : (02) 3299-8091/6 경남 TEL : (052) 528-0983/8 부산 TEL : (051) 453-5452
 대구 TEL : (053) 551-2150/9 대전 TEL : (042) 829-5156 제주 사무처 TEL : (062) 355-6451/7

시험성적서

의뢰자 : (주) 엑스텍스

주 소 : 서울 마포구 서교동 325-13

사료명 : #1-X-PAD 와플 (은사 : X-static),
#2-X-PAD 면온사 헌법직물 (은사 : X-static)

2004-07-27 일자로 의뢰하신 시료에 대한 시험결과는 아래와 같습니다.

(1) 시험결과 : 항균도 (KS K 0693 - 2001)

내용	시험군주	군주 1 : <i>Staphylococcus aureus</i> ATCC 6538		군주 2 : <i>Klebsiella pneumoniae</i> ATCC 4352	
		#1	#2	#1	#2
전송균 농도(CFU/ml)		1.5×10^5		1.2×10^5	
용기율(F)		45 ml		46 ml	
V_a		1.5×10^5		1.2×10^5	
V_b		6.3×10^4		5.5×10^4	
V_c		< 10		< 10	
평균장소율(%)		99.9		99.9	
내이온계면활성제 종류		TWEEN 80 (0.05%)			

주) < = 미관 CFU = Colony Forming Unit

(2) 시험방법

사amp금시군주 : 군주 1 - 황색포도상구균 <i>Staphylococcus aureus</i> ATCC 6538
군주 2 - 페브리경구균 <i>Klebsiella pneumoniae</i> ATCC 4352
도운포의 종류 : 면 (KS K 0693-1998)
시험시료 : 0.4 g
평균장소율(%) : $\{ (M_b - M_c) / M_b \} \times 100$
증가율(F) : M_b / M_a (31.6 대 이상)
V_a : 대조군의 18 시간 배양후 생균수 (3경재의 평균치)
V_b : 대조군의 18 시간 배양후 생균수 (3경재의 평균치)
V_c : 시험군의 18 시간 배양후 생균수 (3경재의 평균치)

 본 성적서는 회사의 시험에 대한 시험결과로서 정당성을 갖는 모든 수는 결과를 대상으로 할 수 있으며, 세부결론, 의뢰자가 표기한 명칭입니다. 이 성적서는 FITI와 물세계 인증 사용 등의 용이 출판 또는 기타 법적요건으로 사용하는 것을 문합니다.



한국설유기술연구소

서울특별시 강남구 역삼동 819-3

TEL: 822-3451-7020-3

FAX: 822-3451-7174

시험성적서

2005. 7. 4

REPORT NO. : S-184

수 천 : 맥스터스	점 수 : 1점
품 목 : 6월 24일자로 시험 의뢰하신 위 시료에 대한 시험결과를 아래와 같이 회보합니다.	
시험항목	시험결과
항균성	시험방법 KS K 0693-2001

시험균종 (보존번호)	<i>Staphylococcus aureus</i> (ATCC 6538P)	<i>Klebsiella pneumoniae</i> (ATCC 4352)
균농도 (개/ml)	1.0×10^5	1.0×10^5
Ma	3.8×10^7	1.5×10^7
Mb	3.0×10^7	7.6×10^7
Mc	2.9×10^7	2.7×10^7
평균감소값	4.0	2.5
평균감소율 (%)	99.9	99.7

사용한 균 : 황색포도상구균 *Staphylococcus aureus* (ATCC 6538P)
폐렴균 *Klebsiella pneumoniae* (ATCC 4352)

사용 비아온자면활성제 : TWEEN 80(0.05%)

접종균농도 : 1.0×10^5 개/ml

평균감소율 (%) : $(\ln M_b - \ln M_c) / \ln M_b$ (무가증시료에 대한 가증시료의 생균수의 차)

평균감소율 (%) : $(M_b - M_c) / 100 / M_b$

Ma : 대조군의 접종직후 생균수

Mb : 대조군의 18 시간 배양후 생균수

Mc : 시료의 18 시간 배양후 생균수

기준치 : 평균감소율 2.2 이상 (SEK : 일본 위생기공협회 기준)

Sample
KOTITI KOTITI KOTITI

KOTITI KOTITI KOTITI

소장 해 규

본 설적서가 인터넷 랙스토 솔루션의 경우, 본 연구소 책임이 생략되어 시료가 부작의지 않습니

* 시료의 평가는 의뢰자가 계시한 호경이며 본 시험결과는 의뢰자가 제시한 시료에 한한 결과입니다.
* 이 결과는 신현, 소속 및 기타 별자 의견으로 사용하지 못함

Contact

HNS Co., Ltd

**#8-302, Sihung Gong-Gu Complex, SiHung Dae-Ro 97,
Kumchun-Gu, Seoul, Korea**

Tel : 82-2-892-5097

Fax : 82-2-891-5098

E-mail : info@hnskorea.co.kr

<http://www.hnskorea.co.kr>