

2023

THE **INNOVATION**
HANDBOOK

UPHOLSTERY FABRIC **MATTRESS TICKING** DECORATIVE CARPET



www.aydintekstil.com

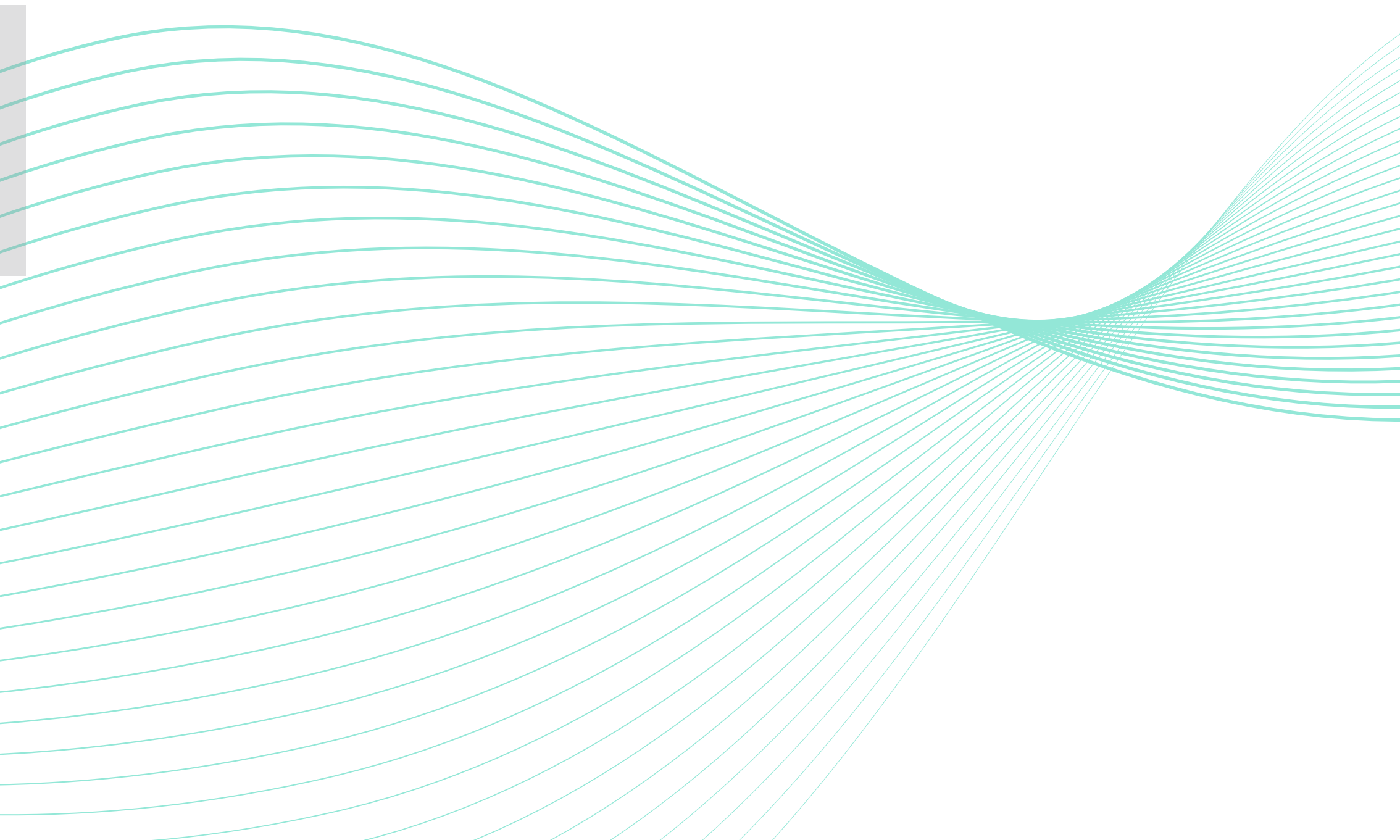
AYDIN:
Where
Innovation &
Design Meet





“We are the largest decorative carpet, mattress ticking, decorative carpet and home textile manufacturer in Europe with more than 65 years of experience.”

GLOBAL BRAND





Global BRAND



2 of every 100 furniture sets manufactured
in 2022, had Aydin upholstery fabric.

3 of every 100 beds manufactured
in 2022, had Aydin mattress ticking.

6 CONTINENTS / 120 COUNTRIES

1957

Aydin family stepped into the textile industry under the name of “Aydin Wool Collective Company” by Ziya Aydin

1980

Velvet production started with 4 velvet looms.

1985

Started exporting products to Singapore and Saudi Arabia.

KEY MILESTONES



2006

Nova was established with an annual production capacity of 60.000 tons in steel wire and 18.000 tons in any kind of foam.

2008

Planet was established with a closed area of 260.000-meter square and furniture manufacturing started.

2013

Knitted mattress ticking production started

1996

Woven upholstery fabric production started.

2000

Production of chenille, polypropylene, and fancy yarn started.

2003

With the new investment upholstery fabric production capacity rose to 20 million linear meters.

2023

Aydin is the leading upholstery fabric, mattress ticking, and decorative carpet supplier in the world and continues to leave a legacy for future generations

2014

Aydin opened a new upholstery fabric factory in Sakarya with air jet, water jet, and warp-knitted machines.

2017

Aydin moved mattress ticking production to the Kayseri factory.

2019

Aydin moved to the new 360 Showroom in Istanbul



AYD
IND

TEXTILE

Upholstery Fabric
Mattress Ticking
Decorative Carpets
Home Textile

FURNITURE

Mattress
Bed Bases
Head Board
Modular Furniture

IRON & STEEL

Mattress & Couch
Spring Systems
Industrial Steel Wires
Mattress Wires
Straightened Wire

AYDIN GROUP INDUSTRIES

AYDIN GROUP INDUSTRIES

CHEMICAL

Medical Foams

Furniture & Mattress Foams

Foams for Automobile Ind.

Foams for Textile & Shoes Ind.

Foams for Sports Equipment

LOGISTICS

Highway Logistic Op.

Domestic Logistic Op.

Logistic Organizations
for Special Projects

ENERGY

Solar Power Plant

2023

THE **INNOVATION**
H A N D B O O K

UPHOLSTERY FABRIC **MATTRESS TICKING** DECORATIVE CARPET

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Sustainability 108

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Safeguard 142

Essences 152

Products

Technology Series



Hygiene Series



Beauty & Wellness Series



Natural Series

Green
Tea Leaf

bamboo

CASHMERE
TOUCH THE NATURE

WOOLLEN

HEMPIUM

hempure

Lanolin

Soya Nature

Silk

Silk protein
Anti-aging

Sustainability Series

REPREVE

natural
organic Cotton

Tencel™
Feels so right

BICICLE
BIODEGRADABLE

equality
Vegan

everclean
green
PFC Free DWR

REPLYNE
RECYCLED POLYPROPYLENE

Recycle
Recycled polyester

Climate Series

ICE LAND

37.5

coolness

THERMO REGULATE

COOLMAX

WARM
TECH

THERMOLITE

Safeguard Series

COEX®
NATURALLY FIREPROOF



ECOTECHFR

Essences Series

ESSENCE S

TECHNOLOGY

Series



**ALL OF THE ILLUSTRATIONS IN
TECHNOLOGY SERIES ARE MADE BY
ARTIFICIAL INTELLIGENCE(AI)**

Made with
AI!

PFC^{Free}
DWR



CO^{ZERO}ER



Odor ANTI-**SLIP**
absorption BREATHABLE
& **COMFORT**



Crip 5



Washable



Anti-Slip

Anti-Slip



Carbon Free



Hard to Burnn



PFC Free

Water Repellent

FOR MORE INFO

AEROGEL

What is Aerogel?

Aerogel is a nanoporous material with low density and high porosity. More than 90% of the aerogel is 10- 30 nanometers of the still air mass, which has a very good thermal insulation effect. The thermal insulation effect of a one-inch thick aerogel is equivalent to the thermal insulation effect of 20-30 pieces of ordinary glass. By using Aerogel, silicones and high-tech spumes Aerogel Mattress Fabric is creating a state-of-art performance and environmental values.

Aerogel is the first mattress textile that has all these features in one single fabric:

- PFC Free Durable Water Repellent
- CO Fire Reterdant
- Anti-Slip
- Strong odor absorption
- Good moisture absorption and high evaporation rate
- Breathable
- Easy Clean
- Washable
- Sustainability



Comfort, Comfort, and Comfort

The specific gravity of aerogel is very light, between 10kg and 30kg per cubic meter, and aerogel yarn is also lightweight. Aerogel fiber has the property of super soft and skin care hand feeling. Aerogel mattress ticking will be the most comfortable fabric ever!



Keystone of Life

When you interact with an object, electrons are exchanged between you and that object. If the object you touch has higher static electricity than your body, the static electricity will pass through your body and reach the ground. However, factors such as insulating shoes, clothes, or the office environment that you use during the day prevent static electricity from being removed from your body. Static electricity accumulated in the body creates a nervous and restless mood.

Start Your Day With a Smile

Carbon+ mattress fabric made of carbon fibers prevents the accumulation of static electricity in your body, and this antistatic property is cyclical, meaning it renews itself in an endless cycle. With its antistatic feature, it helps you fall asleep faster, allowing you to wake up fresh and start the day happily.

FOR MORE INFO



Anti Static



Comfortable



**Air
Permeability**



Washable



**Sensitive
to Skin**





Washable



Deodorization



Anti Bacterial

FOR MORE INFO



Meet Odour Breakdown® for a healthy sleep

With the discovery of the microscope and the development of technology, humanity began to recognize bacteria, viruses, and micro-living things. Then, scientists wanted to take countermeasures against bacteria and organisms that cause illnesses for people, spoil our food, and rot our clothes. Silver Line is another technology that fights against harmful bacteria and microorganisms.

Silverline mattress fabric, developed by AYDIN, provides a hygienic environment during sleep. At the same time, it helps to improve sleep quality by preventing bad smells that may arise in bed over time



silver 

Good Sleep, Good Mood

The silver ions and infrared energy in the Silver Up fabric, prevent the bad smells in your bed and offer you a clean sleep. Silver Up is produced from high-tech yarns without chemical treatment. Silver ions regularly release negative ions and far infrared heat energy to help blood circulation and speed up metabolism, creating a comfortable sleeping environment for you. The nanometric silver germicidal fiber in the Silver Up mattress fabric has been developed to ensure that you sleep in a healthy and good mood.

FOR MORE INFO

Made with
AI!



Washable



Anti Static



Anti-Stress



Far-Infrared



**Anti Bacterial,
No Chemical**





intelligent cleaner

**Always clean,
always healthy**

Sleep hygiene practices are very important to improve sleep quality. Inadequate sleep hygiene usually causes deterioration in daily living activities due to decreased sleep quality and inability to maintain daytime wakefulness.

Thanks to nanotechnology, Intelligent Cleaner absorbs light energy and purifies itself from organic dirt and stains in a very short time. Intelligent Cleaner is the most effective and intelligent way to keep your sleeping area clean.

FOR MORE INFO

Made With
AI!



Washable



Water Proof



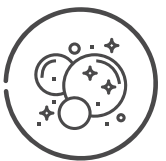
Nano-Tech



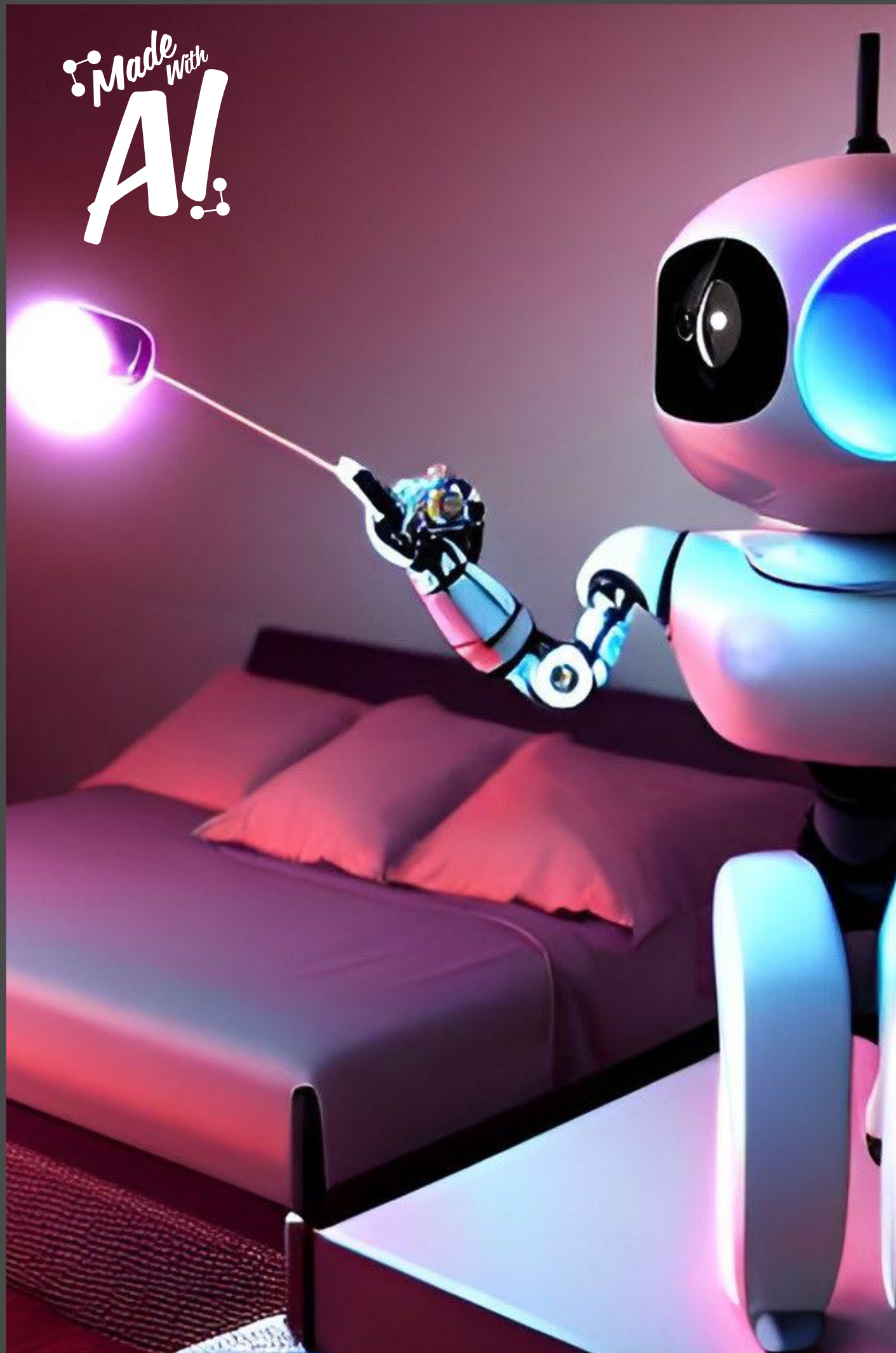
Hygienic



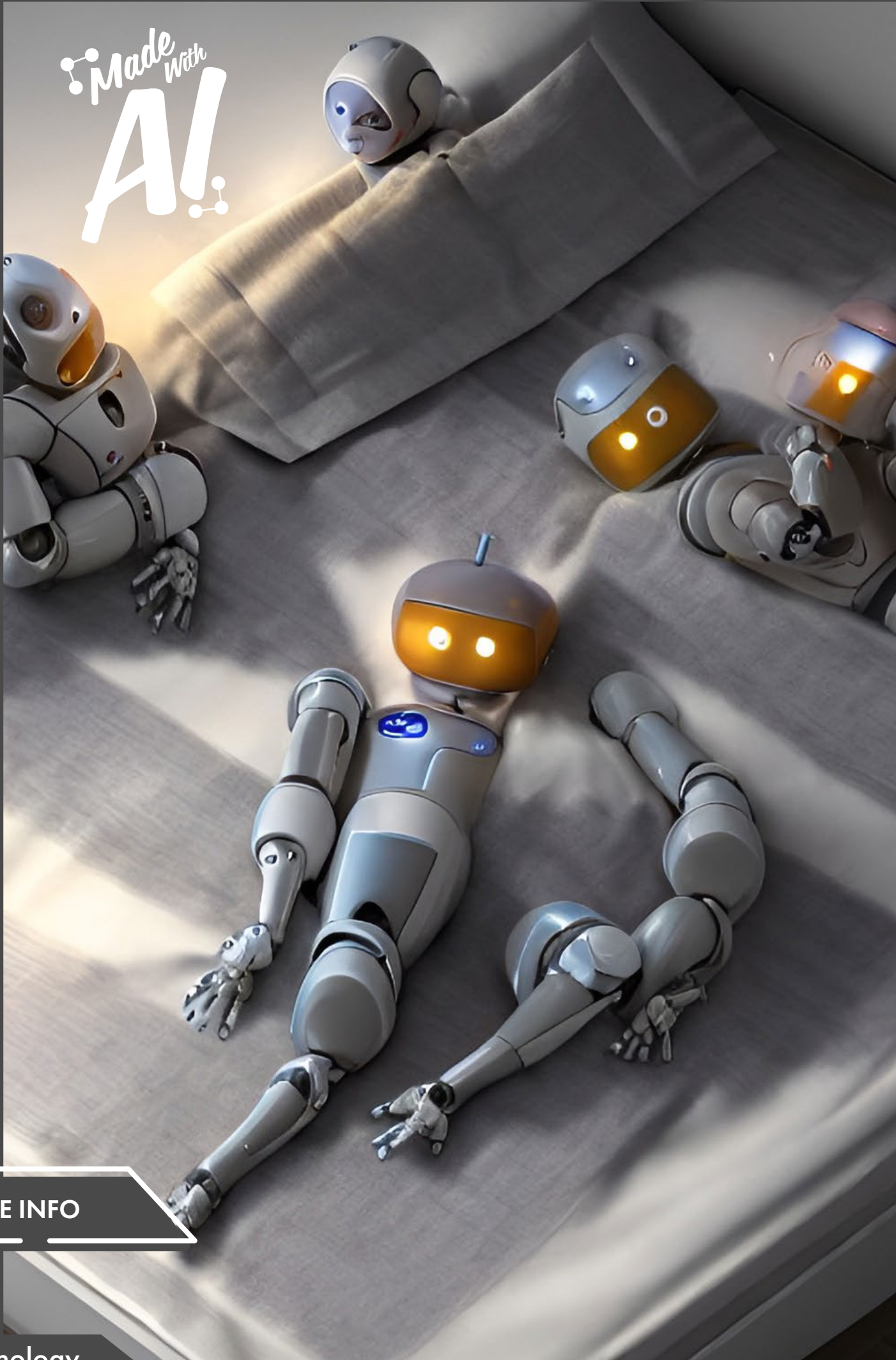
Deodorization



Easy Clean



Made
With
AI!



Washable



Anti Static



Anti-Stress



Far-Infrared

FOR MORE INFO



nanobionic®

Blending Science with Wellness & Recovery

Nanobionic is the next generation of bio-functional materials that combines science, technology, and nature. Nanobionic is a clinically proven technology that will enhance the wellness and recovery environment of every human being. Nanobionic fabric technology consists of natural minerals that emit far infrared. The minerals in their content are activated by body heat and send far infrared radiation to your body. Your body relaxes with this effect, and the healing process is also supported

Nanobionic fabric technology consists of a durable and soft coating. This coating harnesses the body's natural energy to promote consistently better recovery. The minerals in the coating get activated with your body heat and they start emitting far infrared back to their body.



A balanced life for you

Probalance mattress fabric developed by AYDIN promises more than a comfortable night's sleep with its effect that transforms body temperature into infrared energy. Probalance mattress fabric, which provides natural healing, helps to reduce pain as well as its structure that helps to balance body temperature. In addition to its improved energy and pain-relieving effect, it dries very quickly due to its high drying efficiency. It is also considered extremely durable and is a hypo-allergenic fabric technology.

Probalance is designed to absorb the radiant energy emitted from the body, convert it to infrared energy by changing the wavelength, and then reflect it back to the body. This process increases the oxygen-carrying capacity of the tissue, regulates the body temperature, and improves blood circulation thus helping to repair the tissue and reducing minor pains.

FOR MORE INFO

Made
With
AI!



Washable



**Support to
Heal**



Chemical-Free



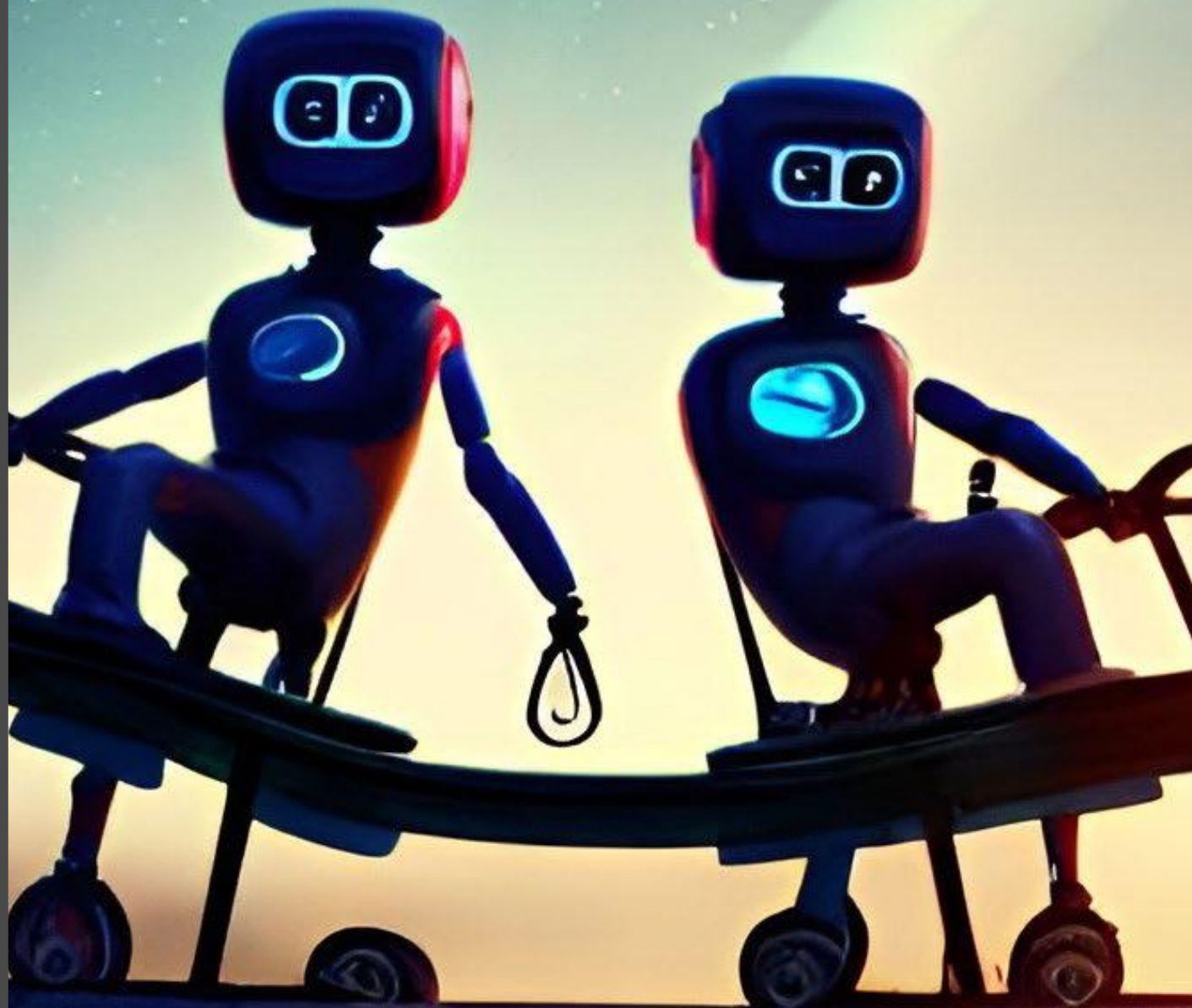
Hypoallergenic



**Thermo
Regulation**



Eco Friendly



Made
With
AI!



Washable



**Sensitive
to Skin**



**Air
Permeability**



Eco Friendly



Anti-UV



Anti-Microbial

FOR MORE INFO



Technology that controls your body temperature

TermoSwitch's special fabric structure and thermal technology offer various benefits. Thermo Switch allows you to control your body temperature throughout the night by undergoing a reversible thermal color change according to your body temperature with liquid crystals. When the room is hot, it traps the surrounding heat inside and when the room temperature drops, it spreads the heat out and brings the temperature to the optimum level.

Thermo Switch has a soft and durable structure that prevents bacteria formation, and contributes to the regeneration of your body while you are asleep with the germanium it contains, allowing you to breathe comfortably.

Made
With
AI!



Washable



**Provides Moisture
Transfer**



Breathable



**High Sleep
Quality**



Hypoallergenic



Eco Friendly

FOR MORE INFO



Sleep Maker

Grounding and sleeping

Most people find that they feel better when they walk barefoot on the ground. The reason for this is that the soil absorbs the excess static electricity accumulated on us physically and mentally. It helps us relax. Research shows that people who spend more time in contact with the ground feel better.

Sleep Maker mattress fabric is an alternative way of doing grounding therapy. With Sleep Maker, AYDIN brings the grounding feature of nature to your sleeping environment and improves your sleep quality.



Reborn every day with MagneCare

Our bodies need the right sleep configuration to store energy and wake up refreshed. MagneCare is the only magnetic mattress fabric developed to reorganize the magnetic energy in your body.

Aydın's superior technology

MagneCare offers magnetic therapy during sleep. So, it helps to reduce pain and inflammation and helps your body to heal faster. At the same time, MagneCare contributes to the acceleration of blood circulation and may reduce your stress levels.

FOR MORE INFO

Made with
AI!



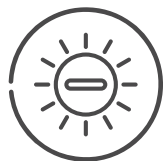
Washable



**Support to
Heal**



Anti-Aging



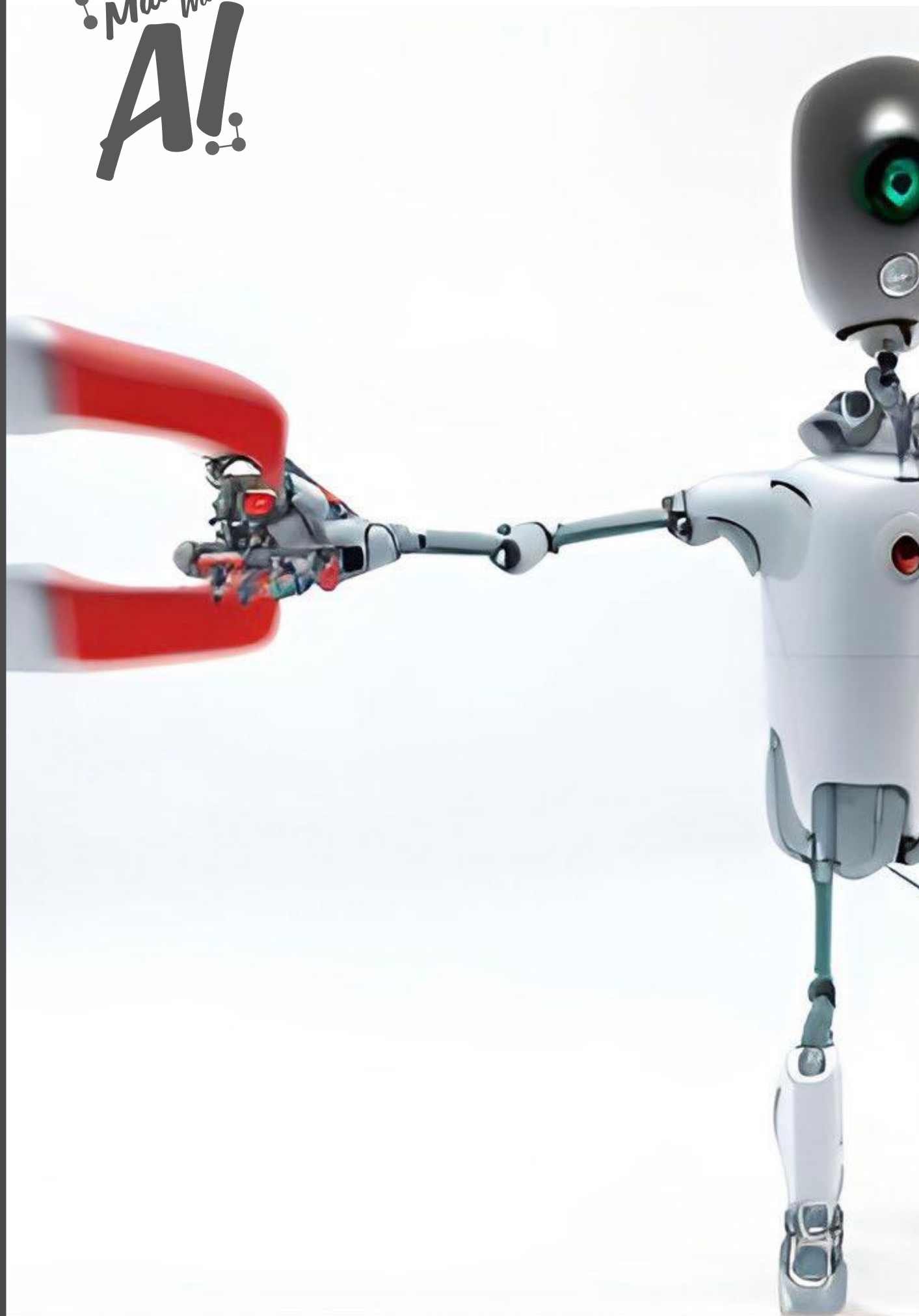
Negative Ion



**Half
Conductive**

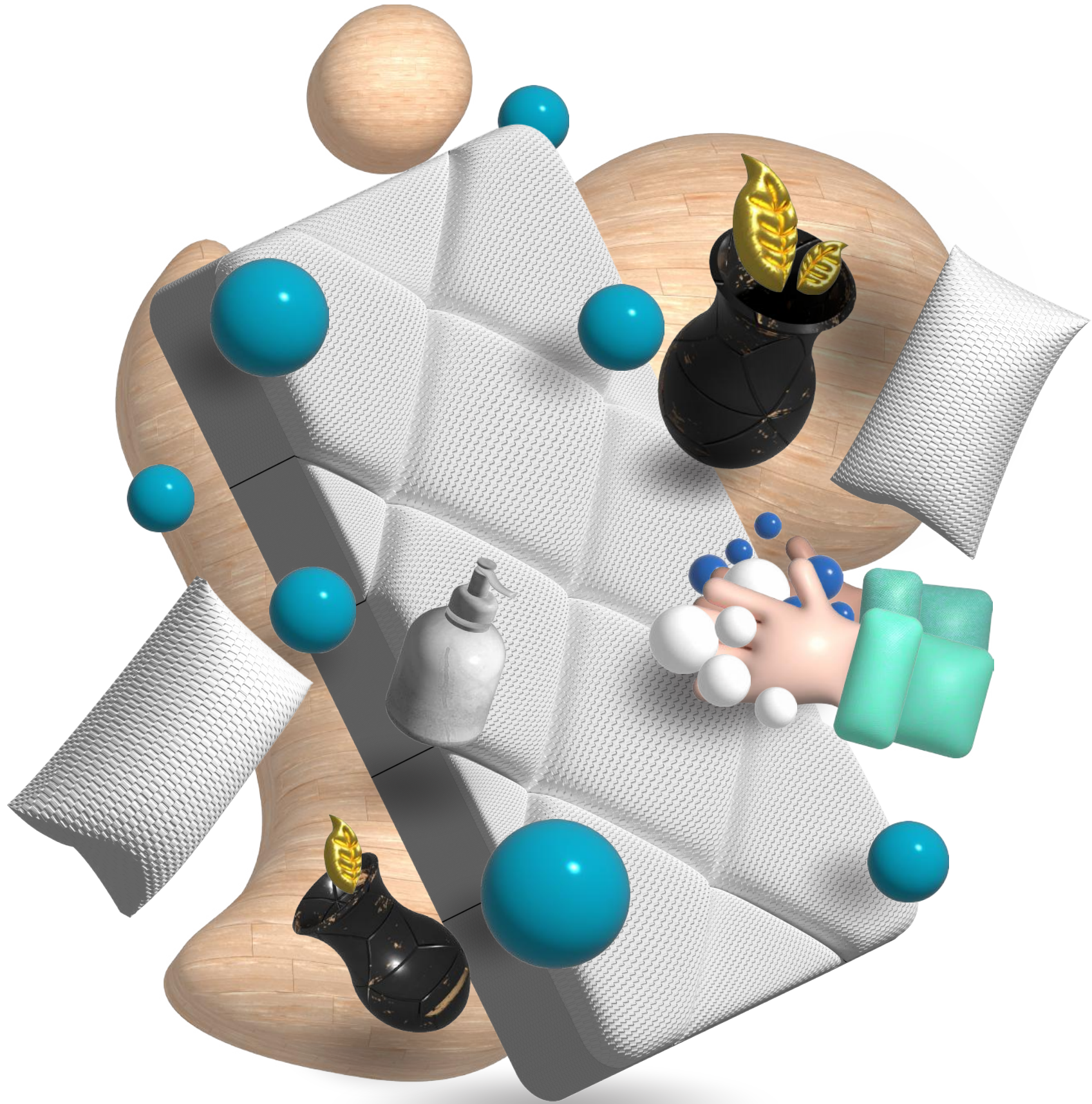


**Air
Permeability**



HYGIENE

Series



Features of Anti-V Fabric

- Antibacterial
- Antiviral
- Anti Mite
- Hygienic
- Hypoallergenic
- Sensitive to skin
- Washable
- Environmentally friendly



Anti-Viral



Anti-Microbial



Hygienic



Washable

Be
Safe

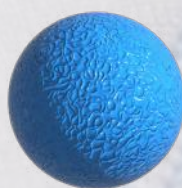
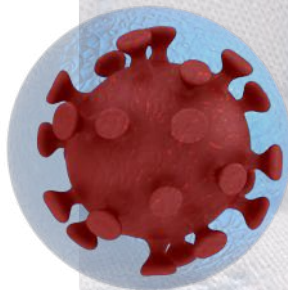
FOR MORE INFO



According to ISO 18184 Antiviral Testing Standards, Anti-V yielded 94% positive results

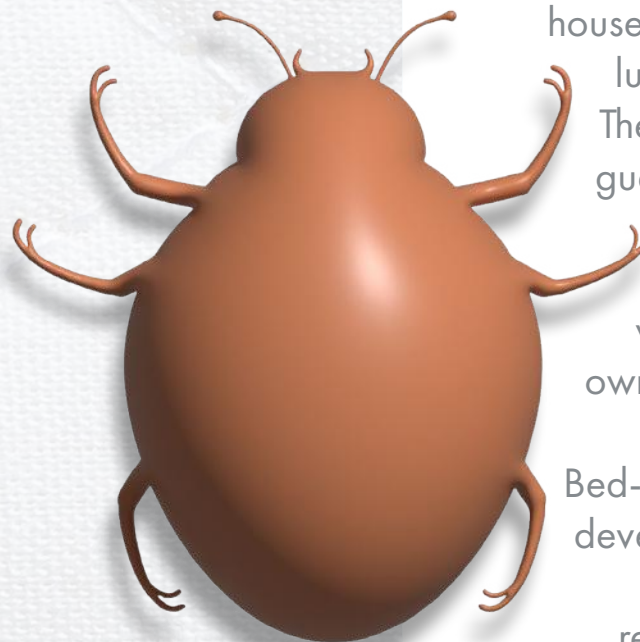
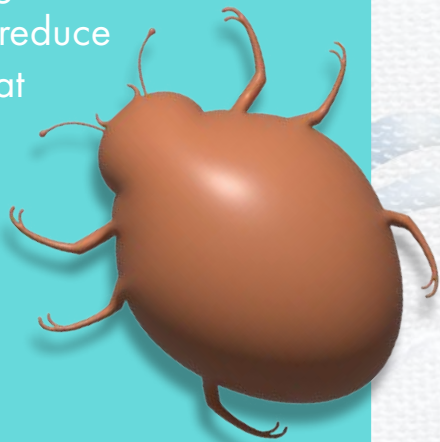
The highly active particles in the structure of the Anti-V mattress fabric prevent the spread of viruses. It aims to prevent their proliferation and to prevent the damage they cause. The basic working principle of the technology is by disrupting the structure of the cell membranes of viruses, to prevent their spread, reproduction, and presence in the environment.

Anti-V mattress fabric is a technology developed to reduce the contamination caused by viruses and to provide a more hygienic environment while you are asleep. It also has antibacterial and anti-mite features. Anti-V, which has a hypoallergenic structure, is a skin-friendly product that offers you a comfortable sleeping experience with its unique softness.



A comfortable and hygienic sleeping environment

Bed-Bug Barrier mattress fabric, developed by AYDIN, prevents bed bugs from settling and reproducing. It helps reduce negative situations that flies can cause in the sleeping environment. Thus, it ensures you have a comfortable and hygienic sleeping environment.



Don't be a guest in your own house

If you have bed bugs in your house and if you are curious about where they came from, unfortunately, there are many answers to this: from your friend's house, from a cafe you visit, your luggage, or any other place. These creatures are unwanted guests in your home. They can breed up to 200 eggs at a time. It means that you will become a guest in your own home in a very short time.

Bed-Bug Barrier mattress fabric, developed by AYDIN, prevents bed bugs from settling and reproduction. It helps reduce negative situations that flies can cause in the sleeping environment. Thus, it ensures you have a comfortable and hygienic sleeping environment.



FOR MORE INFO



Anti Dust Mite



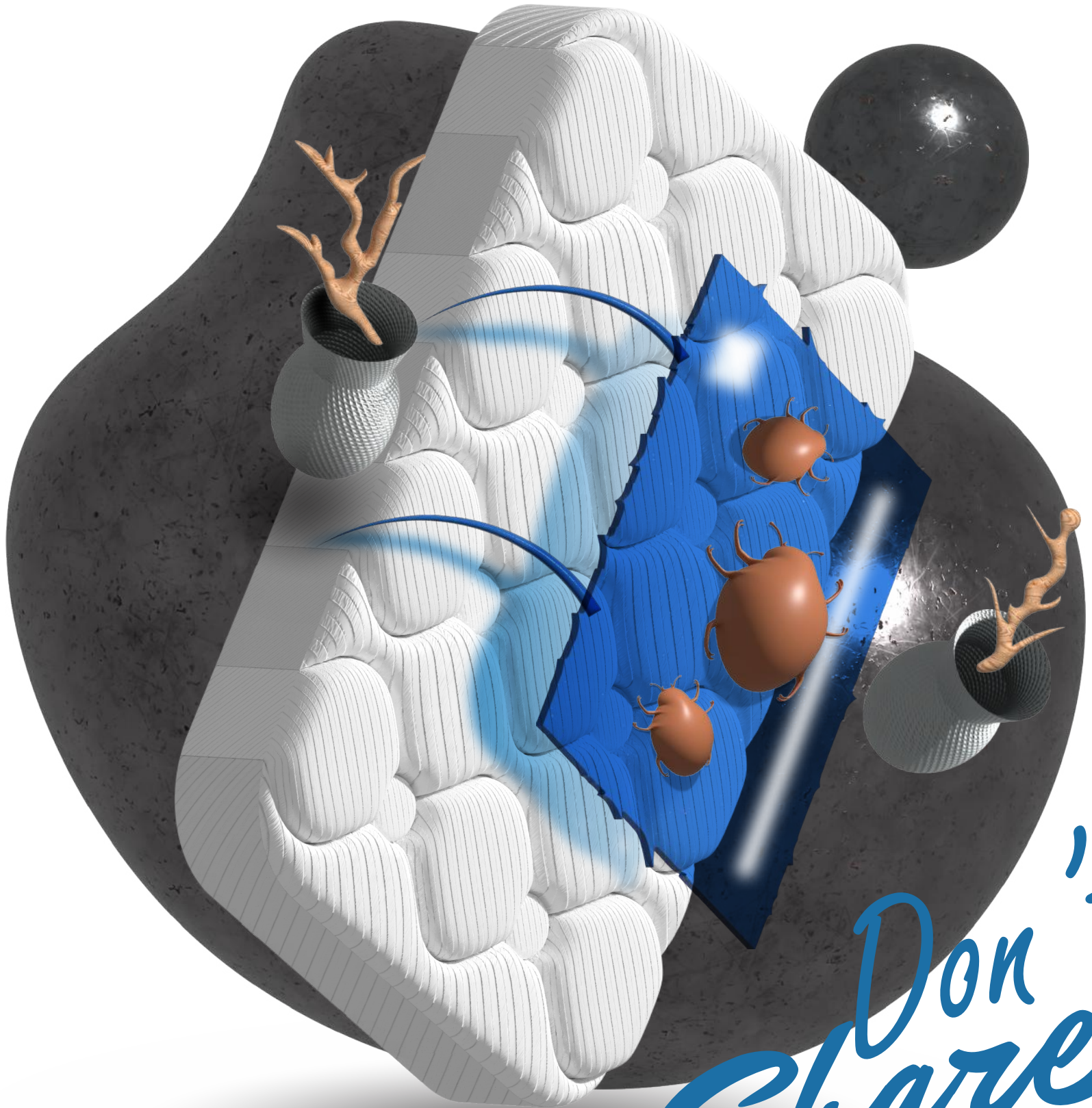
Anti Bacterial



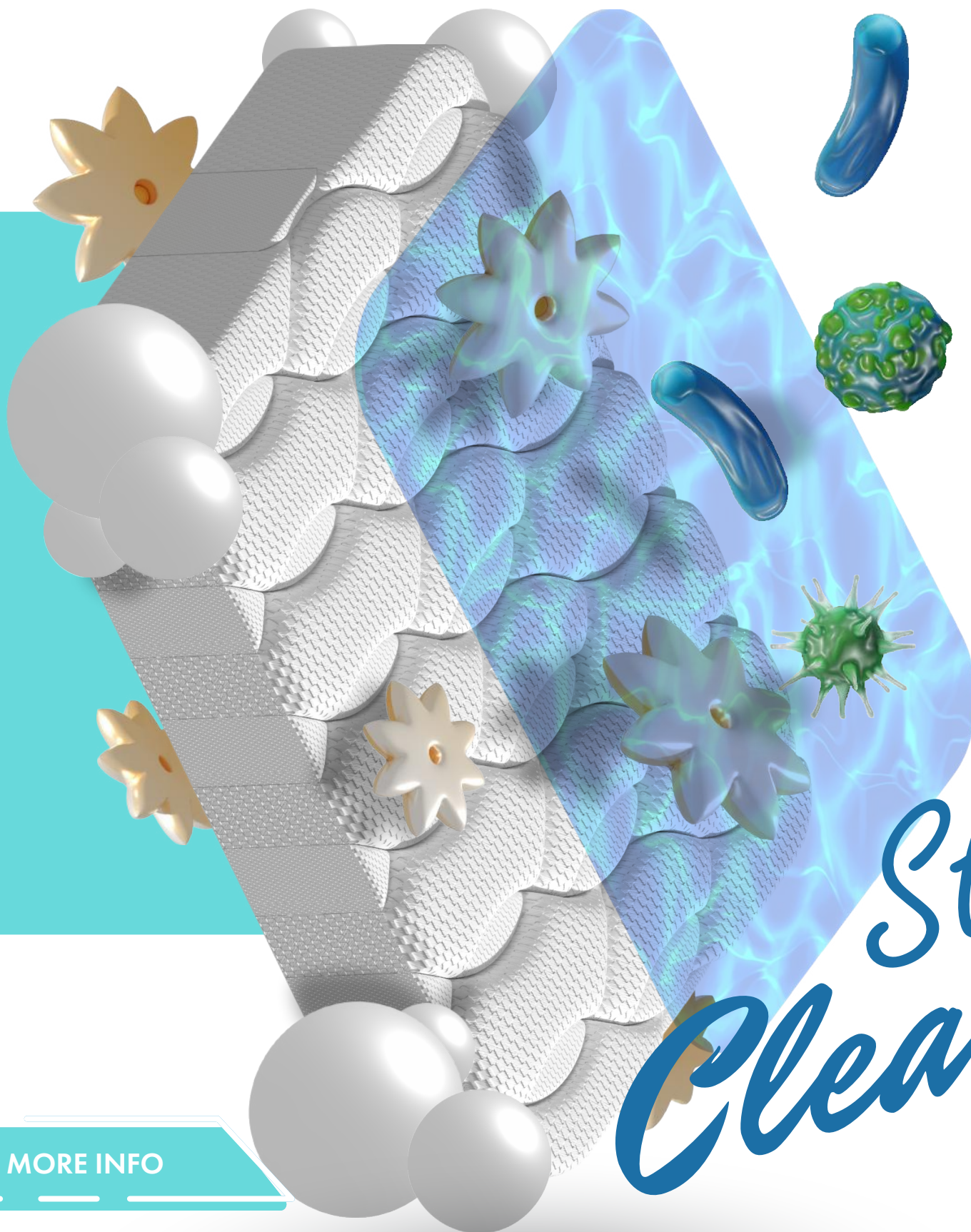
Hygienic



Anti-Fungal



Don't
Share



Washable



Sensitive
to Skin



Deodorization



Anti-Microbial



Eco Friendly

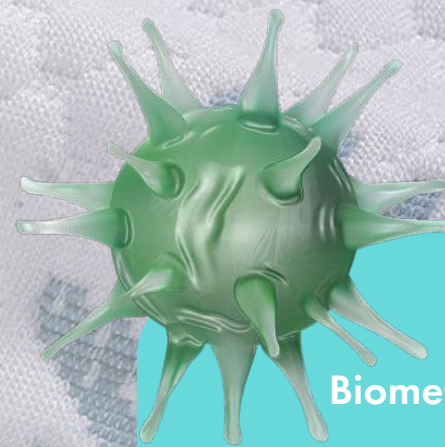
Stay
Clean

FOR MORE INFO

BI·OME

Highest Degree of Protection

BI-OME® is a revolutionary technology that guarantees optimal freshness and hygiene for mattress sticking. Antimicrobial technology works in three steps. First, in the attraction stage, the microorganisms are attracted by the coating of the fabric. Then, in the perforation stage, once the microbes get in touch with the coating, their cell membrane is punctured as if by a sword. Lastly, in the disruption stage, the piercing mechanism deactivates the microorganism, preventing growth and proliferation. Biome®-treated mattress fabrics provide the highest degree of protection



Biome®;

Biome®-treated mattress fabrics provide the highest degree of protection

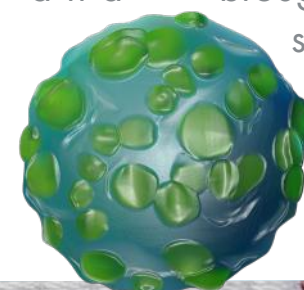
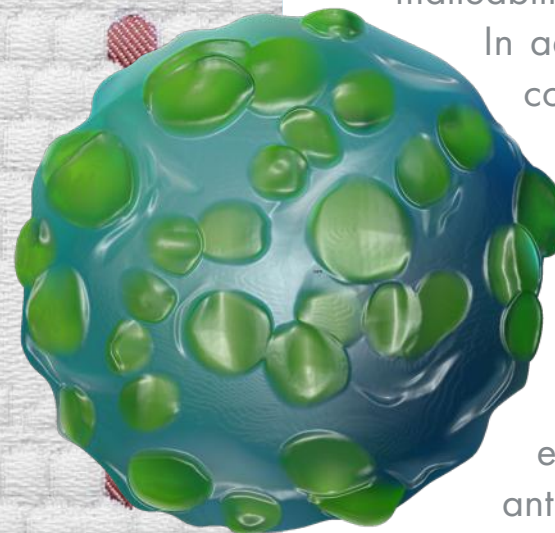


Discover the power of copper

Copper is one of the most important metals in the world. Among the important properties of copper are its high electrical and thermal conductivity, resistance to abrasion, wire drawing and malleability, and its stainless property.

In addition, according to studies conducted in recent years, copper plays an important role in the regeneration of cells in the skin.

Copperleaf fabric helps you sleep in a safe sleep environment and is a natural antibacterial. It helps to regulate body temperature and it has an antistatic feature. Lastly, it also helps to keep stress and negative energy away from the body. AYDIN developed the "Copperleaf" fabric to bring the benefits of copper to the sleeping environment and brought a new comfort to the sleeping environment.



FOR MORE INFO



Washable



Sensitive
to Skin



Deodorization



Anti Static



Eco Friendly



Discover
the
Power



Nature Guard



Washable



Anti Dust Mite



Anti Bacterial



Hygienic



Anti-Fungal



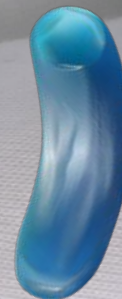
Anti-Microbial

FOR MORE INFO

fresche^{BIOSCIENCE}

A sleep as fresh as spring

Beds can easily become hosts to microorganisms responsible for unpleasant odours, colour degradation and deterioration. Fresche's Quatlock™ treatments for textiles are a highly effective approach to long-term protection of natural and synthetic fibres. Quatlock™ forms a covalent "lock and bond" with the substrate on which it is applied to provide durable, persistent, long-term protection.



Greenfirst®

Nature Protects You



Inspired by plants, GREENFIRST® is an effective plant-inspired solution in the fight against parasites that invade our daily. Anti-mite, mosquito repellent, anti-moth or bed bugs, GREENFIRST® finishing treatments can solve all of your problems.



Formulated from a plant-based active substance: Geraniol, GREENFIRST® treatments combine proven efficacy with environmental and toxicological qualities. They have not been classed as skin sensitizers and they are free from chemical fixing agents.

FOR MORE INFO



Washable



Anti Dust Mite



Anti Bacterial



Hygienic



Anti-Fungal



Anti-Microbial



Nature Protects
You



Washable



Anti Dust Mite



Anti Bacterial



Hygienic



Anti-Fungal

Health Guard

FOR MORE INFO

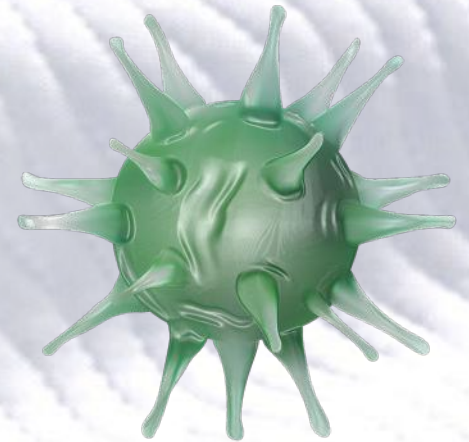
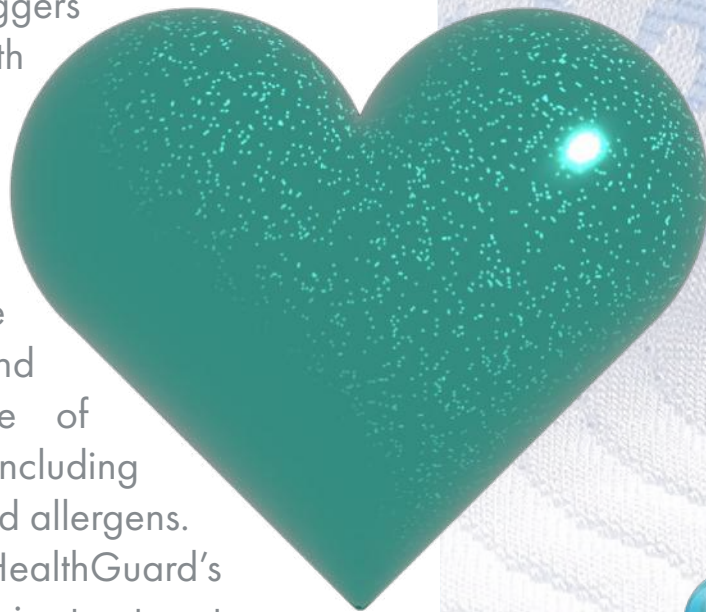
50 Hygiene



A completely unique approach to improving hygiene: Healthguard

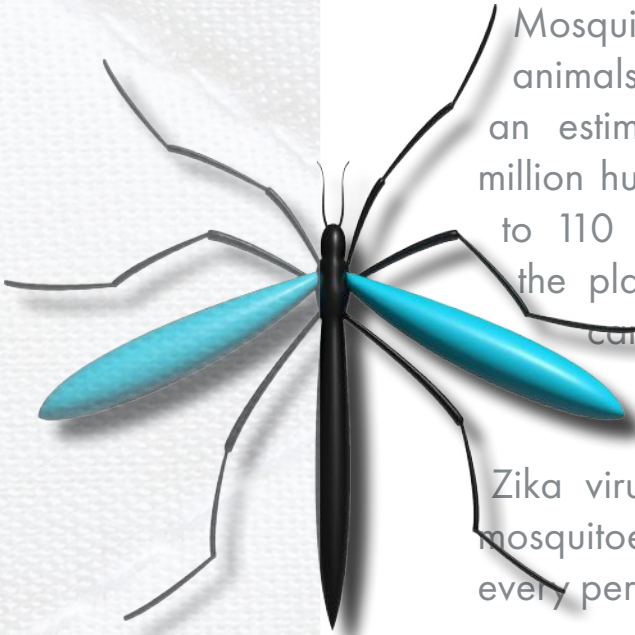
Pillows, furnishings, and mattress fabrics can help with allergen-related problems such as asthma and eczema. It is living biomass of bacteria, fungi, and house dust mites that triggers these problems. With Healthguard, you can protect yourself from all of this.

The innovative textile treatment reduces and diminishes the existence of micro-organisms, including bacteria, viruses, fungi, and allergens. As a durable barrier, HealthGuard's technical bio fibres fabric treatment prohibits future growth of these common organisms. The result is a hygienic and sterile technical textile that leads to a healthier environment for all.




AntiMosquito

No room for mosquitoes in your sleeping environment



Mosquitos are the deadliest animals in the world, killing an estimated 750,000 to 1 million humans yearly. With up to 110 trillion mosquitoes on the planet, the insects can carry lethal diseases like malaria, dengue fever, West Nile virus, and Zika virus. There are 16,000 mosquitoes on the planet for every person.



Mosquitoes, which are present especially in hot and humid areas, disturb the sleep process and cause a decrease in our sleep quality. Anti-Mosquito mattress fabric keeps mosquitoes away from your bedroom.

FOR MORE INFO



Anti-Mosquito



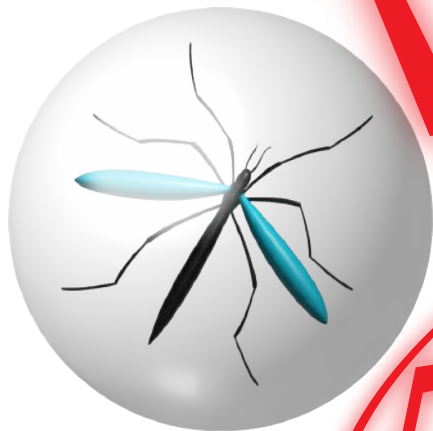
Anti Bacterial



Hygienic



Anti Dust Mite



No More
Mosquito



Deodorization



Fresh Air



Anti Bacterial



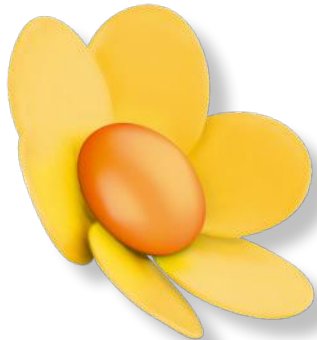
Micro Capsule

FOR MORE INFO



Meet Odour Breakdown® for a healthy sleep

As environmental concerns push us to use less water and energy, odor control treatments are an effective solution as they enable us to wash less and at lower temperatures without compromising on comfort and hygiene.



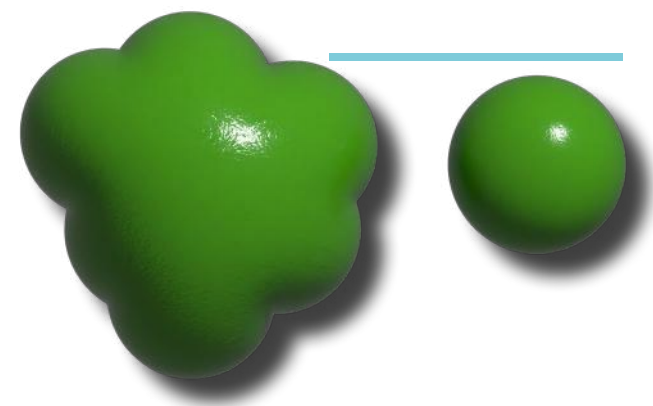
Odor Breakdown® mattress fabric significantly reduces the smell and prevents their formation. At the same time, it stops the growth of bacteria and fungi that occur in the environment. By providing a fresh scent release in your sleeping environment.





Create a safe sleeping environment with Sanitized® hygiene technology

Sanitized® hygiene feature is an effective solution in preventing bacteria, mold as well as dust mites and allergens inhibiting in our mattress fabric, pillowcases, and living spaces. Breathe easily and create a safe sleeping environment with Sanitized® mattress fabric.



FOR MORE INFO



Washable



Anti Dust Mite



Anti Bacterial



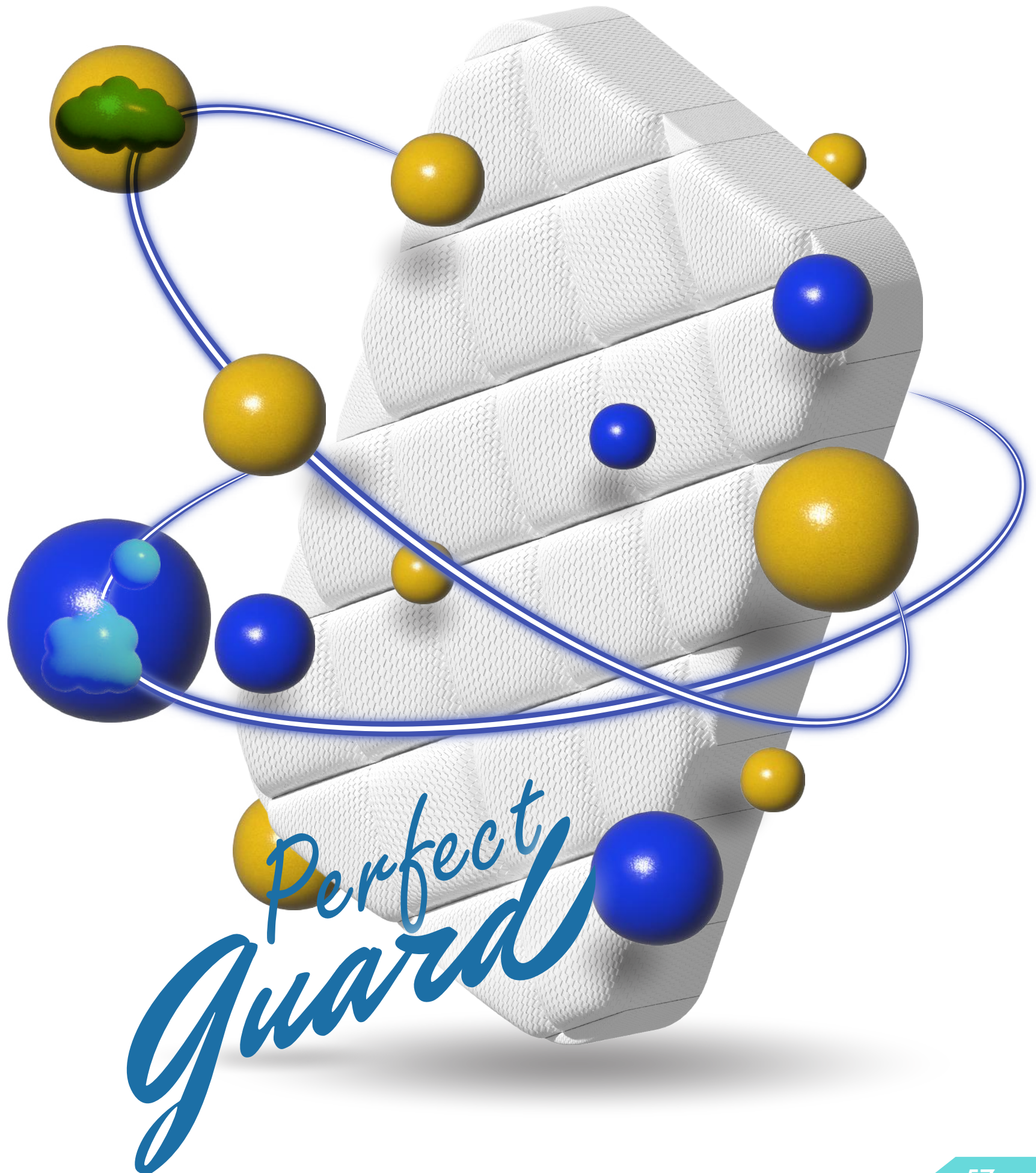
Hygienic



Anti-Fungal



Anti-Microbial





PURISSIMO
NTL

How it works?

1. Firstly, dormant probiotic bacteria (spores) are encapsulated. The microcapsule product is then integrated into textiles.
2. Friction opens the capsules and releases the spores.
3. The spores absorb humidity, self-activate and start to multiply.
4. The probiotic bacteria start to consume the allergens that cause allergic reactions and asthma.
5. Due to lower allergen concentration, individuals with respiratory allergies such as house dust mite matter, pet allergens and pollen allergens will have milder to no symptoms and hence a better well-being feeling.

Purissimo®NTL is a 97% biobased allergen control technology that cleans up pet dander, pollen and dust mite allergens in textiles throughout the home. The technology is based on encapsulated probiotics, which are natural microorganisms similar in kind to those you can find in food like yoghurt and cheese.

As the probiotics consume the allergens, exposure in the environment is gradually reduced below the threshold levels. Therefore, individuals with respiratory allergies will be exposed to fewer 'attacks' and perceive a better well-being.

FOR MORE INFO



**Sensitive
to Skin**



Anti Dust Mite



Anti Bacterial



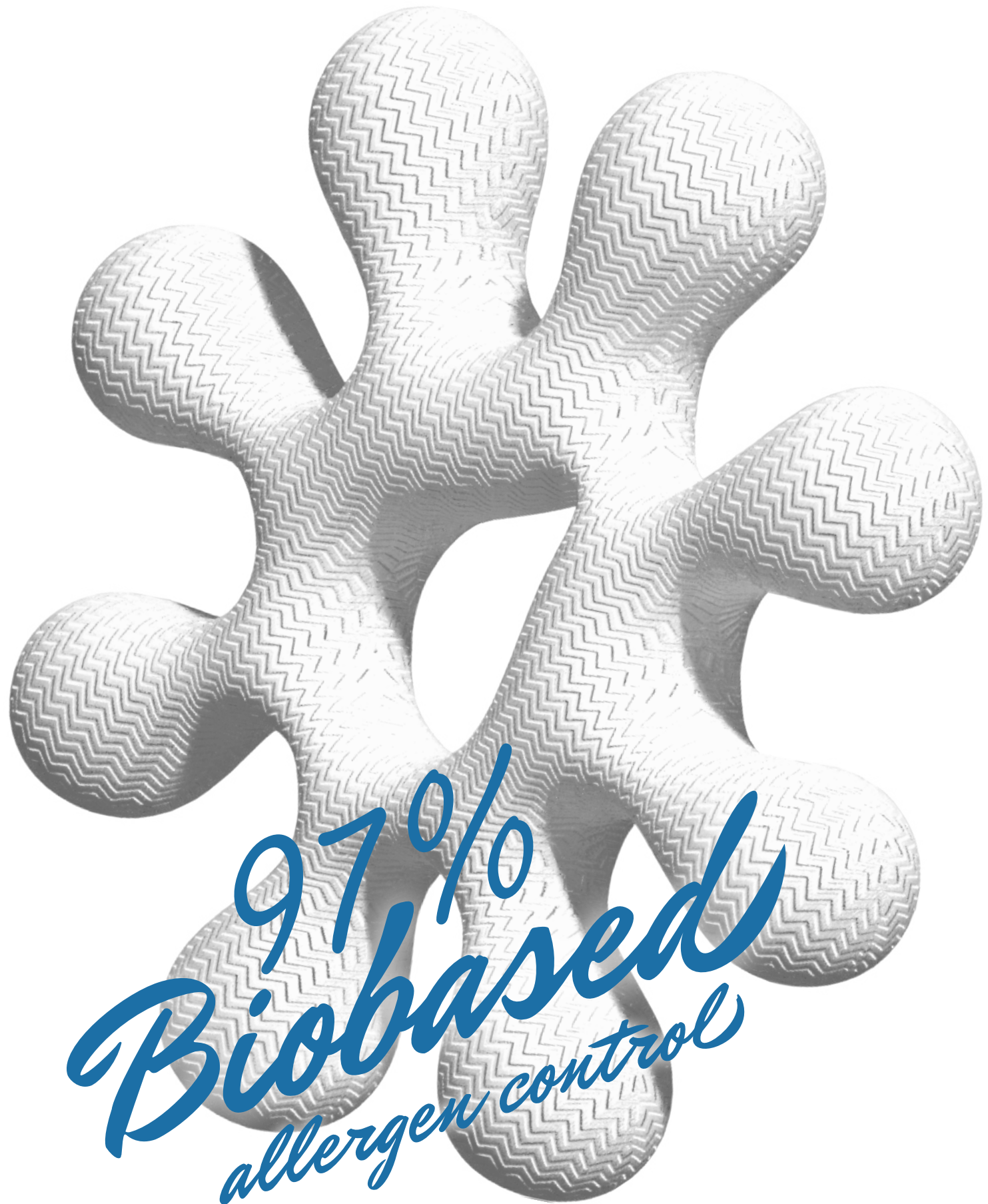
Hygienic



Anti-Fungal



Anti-Microbial



97%
Biobased
allergen control

Keep your bed clean every day

If Everklean's water-repellent technology isn't enough for you, Everklean Plus is a great choice for a smudge-free sleep environment. Everklean Plus keeps your mattress clean and provides protection against liquids and stains. Therefore, it protects your health by keeping your bed as it was on the first day. Everklean Plus provides a more hygienic sleeping environment by protecting your mattress against water and oil-based dirt. By using Everklean Plus, you can protect your mattress from stains for years.

FOR MORE INFO

everklean

Spilled something on your bed? No problem

When water or any other liquid spills onto your mattress, it attracts mold, dirt, and stains. Over time, the stains penetrate the fabric, along with the mattress, then they become impossible to clean. Thanks to Everklean mattress fabric, you can extend the life of your mattress by creating a healthier sleeping environment.

If you want to improve the performance of your fabric, Everklean Plus is a great choice for a smudge-free sleep environment. Everklean Plus keeps your mattress clean and provides protection against liquids and stains. Therefore, it protects your health by keeping your bed as it was on the first day. Everklean Plus provides the hygiene you always need against water and oil-based dirt.



Washable



Nano-Tech



Easy Clean



**Water & Dirt
Proof**



BEAUTY & WELLNESS *Series*

FOR MORE INFO





Washable



Hygienic



Deodorization



**Sensitive
to Skin**



Far-Infrared

FOR MORE INFO

COCOCO™

From the palm family: Coconut

Coconut, a member of the palm family, is a type of palm that grows in the tropics and of which fruit is eaten. In addition to its nutritional and strengthening benefits, it is also used in medicine. The high content of the oil is easily digestible and provides benefits for the body. This food, which contains all amino acids, has high-quality protein content. It is also rich in potassium, sodium, magnesium, and sulfur

After using coconut oil and water, the shells remain as waste. Waste coconut shells can be recycled and reintroduced to nature. There are many ways to reuse shells; One of them is to obtain activated carbon from coconut shell at high temperature and use it in fiber production



Coconut Technology

Cococo mattress fabric is produced from yarns formed by transforming the activated carbon structure obtained from coconut shells into fibers. The molecular structure of coconut charcoal is hexagonal with high density and many pores. It provides you with all the components you need for "8 hours of golden sleep". Carbon particles with antibacterial and deodorizing properties; absorb moisture, prevent mold, and help to prevent microbial growth. Cococo has a deodorizing effect. It can absorb the smell emitted by the human body and decompose harmful substances in the air.

Argan Oil

The miracle of Argan oil in your sleep

Argan oil has very high concentrations of Vitamin E and fatty acids. It nourishes the skin, reduces wrinkles, relieves inflammation, and helps to relax by repairing the hydro-lipid layer of the skin. It is observed that the antioxidant activity in argan oil helps protect the skin against free radical damage caused by the sun. Moreover, in long-term use, it plays a helpful role in preventing the development of skin cancer. In addition to all these benefits, Argan Oil helps to protect the skin against eczema, and acne formation, strengthening the immune system by increasing blood circulation in the body.

AYDIN brings all the benefits of Argan oil to the human body under one roof with Argan Oil technology and offers you the healing power you need.



FOR MORE INFO



Washable



Provides Moisture

Transfer



Healthy



Natural



**Sensitive
to Skin**





Washable



Natural



**Support to
Heal**



**Air
Permeability**



**Sensitive
to Skin**

FOR MORE INFO

AVOCADO

Miracle of Avocado

The avocado tree belongs to the Laurel family and its homeland is Mexico. Avocado contains plenty of vitamins A and E, as well as B group vitamins and minerals such as potassium, and is a fruit with high energy value. At the same time, it supports the digestive system, moisturizes, and improves skin resistance, with an antioxidant effect.

In order to prepare ourselves for a busy and fast-paced day, we should start our preparations during sleep. As AYDIN, we provide the support your body needs during this preparation process with the miracles of nature. Combining the properties of avocado with mattress fabric, it supports your body to reach the ideal moisture balance and helps to increase your sleep efficiency.





Skin Beautifying Effect: Volcanic Mud

Volcanic mud contains many microelements and minerals such as silicon, aluminum, magnesium, calcium, iron, titanium, sulfur, phosphorus, sodium, copper, zinc, selenium, cobalt, manganese, molybdenum, and more.

Aydin has developed Beautybent technology with the effect of Volcanic Mud to offer you a more fit and spacious sleeping environment. While you are asleep, Beautybent mattress fabric creates a soothing sleeping environment and thus helps your skin to be reborn. Volcanic mud fiber has good mechanical properties, emits high emission of far infrared heat, high moisture absorption, and antimicrobial properties. In particular, its anti-propionibacteria function has been tested. Aydin developed Beautybent mattress fabric to protect the body from toxins found in the sleeping environment.

FOR MORE INFO



Washable



Healthy



Far-Infrared



**Sensitive
to Skin**



Eco Friendly



Micro Capsule



Natural



Healthy



**Air
Permeability**



**Sensitive
to Skin**

FOR MORE INFO



Cannabidiol is known as CBD

CBD is a non-toxic natural ingredient found in the resinous flower of the cannabis plant. CBD is recommended as an alternative treatment for many diseases from anxiety to chronic pain. CBD oil is obtained by separating the essence of the hemp plant and mixing it with oils such as olive oil, coconut oil, and hemp seed oil. It does not have a psychoactive effect.

Do your body a favor

AYDIN brings the miracle of CBD oil technology for a more comfortable and restful sleep environment. As you sleep, CBD mattress fabric adds calming magic to the place, allowing your body to relax and continue the day in a positive way. Do your body a favor and set aside worries and sleep on CBD bed.



Spirulina Effect

Spirulina is a type of blue-green algae used as a dietary supplement. It contains many vitamins and minerals, including high protein, collagen, natural iron, vitamin B, and beta-carotene. Spirulina, which contains antioxidants, essential amino acids, chlorophyll, and phycocyanobilin (phycocyanin), is widely included in vegan diets. Scientific studies show that spirulina is good for many diseases and may have anticancer, antiviral, and antiallergic effects.

AYDIN R&D center adapted Spirulina technology to mattress fabric to offer you a healthier sleeping environment. Sea Health offers treatment for sunburns and controls cellulite and blood circulation. With an 8-hour sleep, you can collect all the energy of the day. Seahealth mattress fabric provides an anti-allergenic environment and protects your loved ones while they are asleep.



FOR MORE INFO



Anti Oxidant



Micro Capsule



Natural



Hypoallergenic



Anti-Aging



**Support to
Heal**



Vi-theraphy

Vitamin therapy in your sleep



Essential oils are added in small vesicles made of special polyurethane resins called microcapsules that do not allow diffusion to a large extent. Thanks to our special encapsulation technique and BAYPRET®NANO-PU the fiber binding capacity of the products has been increased.



AYDIN offers you the vitamins A, C, and E you need with Vi-therapy with microcapsule technology. With Vi-Theraphy you can get the necessary vitamins you need while you are asleep.

FOR MORE INFO



**Vitamins
& Minerals**



Anti Oxidant



Healthy



**Air
Permeability**





Aloe Vera, whose miracle goes back centuries

Aloe vera is a perennial, succulent plant. The clear gel inside the leaf is best used for minor cuts and burns. Aloe vera contains substances known as glycoproteins and polysaccharides. While glycoproteins speed up the healing process by stopping pain and inflammation, polysaccharides stimulate skin growth and repair. These substances can also stimulate the immune system. Aloe vera, a miraculous plant with healing properties, contains more than 200 biologically active and natural components and more than 20 important amino acids beneficial to the human body. It also contains minerals such as calcium, copper, selenium, chromium, and zinc.

Fresh and Soft Nights

Aloe Vera Cure helps the skin renew with the amino acids in the mattress fabric. It creates a peaceful and comfortable sleeping environment. Aloe Vera Cure also has a skin rejuvenation feature, purifying the skin from dead skin. The soft-touch Aloe Vera Cure will show you how amazing Aloe Vera is in your room.



FOR MORE INFO



**Sensitive
to Skin**



Washable



Eco Friendly

The natural solution
for a fresh and soft sleep;
Aloe Vera Cure



Coenzyme QCare (CoQ10) is a substance that helps convert food into energy. CoQ10 is found in almost every cell in the body, and it is a powerful antioxidant. Your cells use CoQ10 for growth and maintenance. Levels of CoQ10 in your body decrease as you age. CoQ10 is found in meat, fish and nuts. The amount of CoQ10 found in these dietary sources, however, isn't enough to significantly increase CoQ10 levels in your body. AYDIN combined QCare and mattress ticking and created a lot of benefits.

QCare is particularly necessary for cellular energy production in the mitochondria, the "power plants" in our cells. In this way, it strengthens the heart, muscles and nerves. As an antioxidant, QCare also fights off free radicals inside and outside the cells. Put simply, these are aggressive molecules that occur naturally in the body. In particular, UV radiation, stress and environmental toxins can increase the number of free radicals. If the concentration is too high, free radicals lead to oxidative stress. This can damage the cells and promote inflammation, but also accelerate skin ageing. This is why QCare is so essential for smooth, healthy-looking skin.

FOR MORE INFO



**Vitamins
& Minerals**



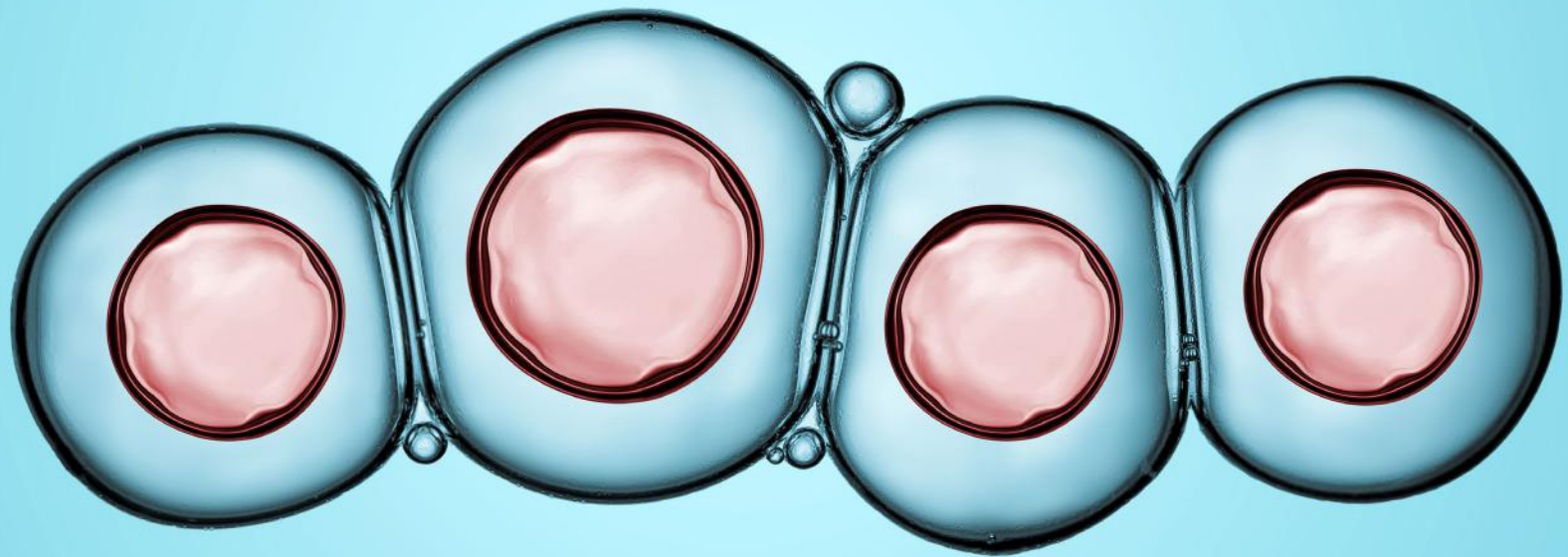
Anti Oxidant



Healthy



**Air
Permeability**





Natural



**Air
Permeability**



**Support to
Heal**



**Sensitive
to Skin**

FOR MORE INFO



Body care From Shea

Shea butter is fat that's extracted from the nuts of the shea tree. It's solid at warm temperatures and has an off-white or ivory color. Shea trees are native to West Africa, and most shea butter still comes from that region. Shea is often referred to as 'women's gold', a phrase that points to the luxurious, golden quality of the raw shea butter.

Shea butter has been used as a cosmetic ingredient for centuries. Its high concentration of vitamins and fatty acids — combined with its easy-to-spread consistency — make it a great product for smoothing, soothing, and conditioning your skin. On top of the health benefits, AYDIN's Shea Butter Mattress Textiles are also creating social value. Shea butter inside the mattress fabric has sources with ethical and environmental values which is making it Fair Trade. Maximize your health and social values with Shea Butter Mattress Fabric.



BioSay™

This unique textile product is designed with three exceptional core features, offering users an unparalleled experience. Firstly, the “FARINFRARED” feature creates a comfortable sleep environment by regulating body temperature and converting energy efficiently. Secondly, the “ANTIBACTERIAL” property ensures long-lasting antibacterial protection, keeping it clean and safe at all times. Lastly, the “THERMAL BALANCE” principle enhances the body with positive effects by improving blood circulation through the use of infrared radiation.

What sets this product apart is its inclusion of volcanic mud. Volcanic mud, enriched with natural minerals, provides various benefits to the skin. Its potent adsorption ability aids in absorbing sebum and dirt from the skin. This textile marvel stands out with its functionality and health benefits.

FOR MORE INFO



Anti Bacterial



FARINFRARED



**Thermo
Regulation**

NATURAL

Series

FOR MORE INFO



FOR MORE INFO

Green Tea Leaf

Miraculous Touch of Natur: Green Tea Leaf

Green tea is obtained from the leaves of *Camellia sinensis* and prepared to dry as soon as they are collected. The Green Tea Leaf bedding fabric is woven with the fiber produced from the roots and leaves of the natural antibacterial plant. Thanks to this feature, it is a completely natural product that offers natural comfort and health in your sleep

Comfort from nature comes to life in Organic Fiber

Green tea fiber, developed by the AYDIN R&D center and used for the first time in a mattress fabric, is soft, breathable, and comfortable with its natural antibacterial structure. It helps maintain the skin's moisture balance, which is crucial for the correct sleeping environment. Green Tea Leaf supports the skin's natural protective layer and provides excellent softness



**Sensitive
to Skin**



Washable



Eco Friendly

FOR MORE INFO



Washable



Natural



Eco Friendly

FOR MORE INFO

90 Natural

bamboo

Fastest Growing Plant

Bamboo is a plant that people have used in many areas of their daily life since ancient times. According to Guinness World Records, some species of bamboo can grow up to 2.91 ft/day – or, 1.5 inches/hr.

Bamboo is an ecological product of plant origin and is biodegradable. It has an extremely soft, light, and silky touch. Thanks to its special fiber structure, it is breathable and has the feature of keeping the sleeping environment cool. At the same time, with excellent moisture management, it quickly absorbs body sweat during sleep and allows it to evaporate. Its antibacterial structure prevents the formation of bad odor in the sleeping environment.



bamboo

CASHMERE

TOUCH THE NATURE

The delicate touch of nature; CASHMERE

Cashmere wool is obtained from cashmere goats, which are located far above sea level and live in harsh weather conditions. These goats develop inner wool to get protected from the cold weather conditions that can reach -40 Celcius. Every spring, once the weather starts to warm up, shepherds comb the cashmere goats. During a year, only 50 to 150 grams of cashmere wool is obtained from a goat. The rarity of cashmere wool and the fact that it is formed after such a long and specialized process makes it valuable.

Sleeping on the clouds

Cashmere Mattress Fabric preserves its form, allowing you to have a comfortable and quality sleep environment for many years. In addition to its light and natural structure, the soft fibers make you feel as if you are sleeping on the clouds. It has excellent insulation properties. The natural fiber structure that is suitable for all seasons, keeps you warm in winter and offers a comfortable use in summer.



Washable



Provides Moisture Transfer



Natural

FOR MORE INFO



Provides Moisture Transfer



Thermo Regulation



Air Permeability

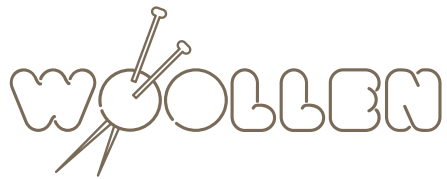


Natural



Eco Friendly

FOR MORE INFO



The gift of nature

Wool is the natural shield of sheep. It protects them from heat, cold, sun, wind, and rain. The reason why wool can act as a shield against all these environmental factors is that it consists of a very durable and special protein called keratin. Keratin helps sheep to survive at -40 degrees in Mongolia or +40 degrees in Australia because of its natural structure that provides air and moisture management.

Shield for all

Composed of wool, Woolen Mattress Fabric allows both air and moisture to pass through the fabric in both directions that creates a breathable sleeping layer. With its natural anti-static feature, it minimizes the possibility of static electricity accumulation in the body during sleep and prevents the clothes worn during sleep from sticking to the body in an uncomfortable way. Woolen also creates a barrier against cold or hot air of your bedroom. Thanks to Woolen mattress fabrics, besides the sheep humans, can also use wool as a shield.



Washable



Anti Static



Anti-Stress



Far-Infrared



Fast Drying

FOR MORE INFO



Hemp Technology

Hempium mattress fabric adds value to your sleep by preventing the formation of bad smells and bacteria thanks to hemp technology. Requiring less water than cotton, hemp sheds light on the future as a sustainable fabric. Hemp has a structure that is 4 times more durable than cotton fiber. In addition to the water savings it provides, it also enables you to achieve maximum efficiency with its durability.

Hempium is beneficial for human skin with its breathable structure. Also with the extra antibacterial structure, it prevents bad smell. The special yarn structure of the hemp mattress fabric, which is produced from hemp fibers, permanently preserves and maintains these properties. Hempium offers you a sleep experience above the clouds by refreshing your skin's moisture needs during sleep.

hempure

The miracle of nature; Hemp

The first documented case of cannabis use dates back to 2800 BC when it was listed in Emperor Shen Nung's Pharmacopeia. Although the homeland of the plant is in Central Asia and the Indian subcontinent, it is now grown in most temperate and tropical regions.

Sustainable Choice

Hempure mattress fabric adds value to your sleep by preventing the formation of bad smells and bacteria. Compared to cotton cannabis is much more sustainable. A kilogram of cotton requires 4 times more water than a kilogram of cannabis. At the same time, cannabis requires much less soil.

The texture of Hempure and Linen are so similar due to the nature of their fibers. Hemp can easily be blended with other natural fibers to create more innovative and sustainable products. With Hempure, you can have a mattress fabric that is compatible with human skin, that breaths and is environmentally friendly.



FOR MORE INFO



Washable



Air
Permeability



Natural



Eco Friendly



Sensitive
to Skin



Washable



Natural



Eco Friendly



Healthy



Perfect Touch

FOR MORE INFO

100Natural

Lanolin



The soft texture of wool came to life with Lanolin.

The use of materials obtained from sheep wool dates back to ancient times. Lanolin oil is also an oil secreted from sheepskin. Lanolin is sometimes referred to as “wool oil,” but the term is misleading because it lacks triglycerides, which should be considered fat. But unlike the sebum in our body, it does not contain triglycerides.

Moisture from nature

Lanolin, the secret of natural moisture, offers you the extra softness you will feel both on your skin and on the bed. Lanolin mattress fabric, designed with today’s technology, is a 100% natural product and has a flexible structure. It gives the skin a smooth and taut feeling. It also has a very high moisturizing effect.



Provides Moisture Transfer



Anti Bacterial



High Sleep Quality



Hypoallergenic



Eco Friendly

FOR MORE INFO

102Natural



“Soybean fiber”

Soy fiber is a protein-based vegetable regenerated fiber and has 35% vegetable protein. It is made from hulled and defatted soybean. Soy protein usually contains at least 60-70% of the total soybean protein. It contains many high-quality fibers in its natural state. In addition to its physical properties like softness and shine it has, it also has beneficial properties in terms of health with its antibacterial side.

Benefits from Soy Bean

The mattress fabric obtained from soy protein offers you comfort in your sleeping environment with its shiny and silky appearance as well as its durable structure. It helps you to achieve full efficiency in sleep by providing moisture and heat balance. Lastly, the moisturizing and wound-healing properties will provide you the sleep you need.





Silk Tech

Silk Mattress Fabric, which is formed by processing the fiber obtained from the cocoons of the silkworm with advanced technology, keeps the body temperature in balance during sleep. In addition, it helps you to have a more comfortable sleeping environment by absorbing the moisture formed in the sleeping environment. Thus, you will sleep comfortably and peacefully in a soft bed.

Silk Protein miracle amazes you with the comfort it provides to maintain the moisture level of the skin and repair the skin during sleep. It nourishes your skin and provides protection against wrinkles. The fibrous protein formed by the transformation of the silkworm is similar to the collagen fiber structure that makes up our skin. It helps to increase the elasticity of the skin and accelerates the functioning of the cells and creates a preventive basis for wrinkles on the skin.

Innovation born from the cocoon Discovered in 3.000 BC, "Silk" changed both lives and history.

Silk is one of the oldest fibers known by humankind. It is a natural protein fiber has been used in textile manufacture for at least 5,000 years. It is the strongest natural textile fiber in the world. Nowadays, silk is considered a premier textile material in the world due to its high tensile strength, its shine, and ability to bind chemical dyes



Washable



Air Permeability



Natural



Perfect Touch

FOR MORE INFO





Natural



**Air
Permeability**



**Support to
Heal**



**Sensitive
to Skin**

FOR MORE INFO

Silk protein
Anti-ageing

Innovation born from the cocoon

Silk protein is a liquid secreted by the silkworm as it weaves its cocoon. The silk protein surrounding the outer layer of the silk cocoon serves to protect the cocoon against external factors. This protein in the outer layer of the silk cocoon is called sericin. AYDIN decomposes this protein with natural methods and carries it to your sleep area. Sericin protein creates a protective shield for the skin. It helps to protect against UV rays and it provides moisture balance for the skin.

Silk Protein impresses you with the comfort it provides to maintain the moisture level of the skin and repair the skin during sleep. It nourishes your skin and provides protection against wrinkles. With its soft texture and healing effects on your skin, it becomes an indispensable part of your home. You will feel like you are reborn every day with Silk Protein technology.

SUSTAINABILITY

Series





What is Repreve?

Repreve is a brand of recycled performance fiber. The high-quality fibers are made from 100% recycled materials, including post-consumer plastic bottles and pre-consumer waste. They are also certified and traceable from Unifi.

Repreve is one of the best examples of a new life created from recycled materials. It helps to protect natural resources for a sustainable future with water and energy savings. Its environmentally friendly products made with recyclable materials help reduce pollution and also support the protection of the ecological balance.

FOR MORE INFO



Sustainable



Natural



Eco Friendly





FOR MORE INFO



Cotton's Place in Today's World

Cotton production constitutes approximately 3% of the world's agricultural production and cotton is the most preferred raw material in fabric production. Unlike the other methods, organic cotton is grown without the use of pesticides, herbicides, and other chemicals.



No Chemicals

Fabrics produced with organic cotton do not contain chemicals that can harm your skin. With Organic Cotton's sensitivity to the skin, you will feel more comfortable and, will contribute to sustainability.

Organic agricultural products prevent our exposure to synthetic pesticides that pollute the soil, air, and food. In the long run, they protect us from ailments caused by chemicals, such as asthma or cancer. Thus, they aim to protect both us and our ecosystem. AYDIN designed Organic Cotton fabric to provide a nature-friendly sleep experience that helps you to protect the environment and your skin health. Experience a peaceful sleep with the comfort of Organic Cotton.



Sustainable



Natural



Eco Friendly



Sustainable



Natural



Eco Friendly



**Air
Permeability**



**Sensitive
to Skin**

FOR MORE INFO



It feels so good

Tencel™ cellulosic fibers produced using environmentally responsible processes offer you long-lasting natural comfort and pure living environments. Tencel™ lyocell and modal fibers are naturally soft to the touch with an exquisitely soft hand feel, enhancing your quality of sleep and home life.

Mattress fabric produced using Tencel™ lyocell fiber helps to maintain the environmental balance by integrating with the cycle of nature. It offers a natural comfort during sleep. Tencel helps to improve your sleep quality with its high strength, superior moisture management, and softness. With less risk of bacteria formation and breathing surface, it protects your skin and allows you to have a night of healthier sleep.



Sustainable



Natural



Eco Friendly



**Air
Permeability**



**Sensitive
to Skin**

FOR MORE INFO



Eco-Friendly and More

Biocycle fabric contributes to the protection of the environment with its recyclable structure. The biopolymer was synthesized from regenerable and renewable raw materials.

In addition to being environmentally friendly, Biocycle brings comfort to your sleeping place with its unique soft touch. It increases your sleep quality by bringing you the comfort you need during the sleep process. The bacteriostatic feature prevents the proliferation and formation of bacteria. Lastly, the Ultraviolet (UV) resistance features increase the performance of the fabric.





No Place for Cruelty

Veganism is not just a diet; It is a way of life that positions the human, animal, and nature relationship on the basis of equality. Vegan products, are produced from natural ingredients and do not contain animal additives, and contribute to the protection of ecological balance.

Equality, the vegan mattress fabric adds vitality to both your body and nature with its animal-friendly production culture. Equality Vegan does not contain animal additives at any stage of its production. At the same time, it offers a really unique comfort with its special look and touch.

FOR MORE INFO



Sustainable



Natural



Eco Friendly



Vegan



**Animal
Friendly**



FOR MORE INFO

Respect for Nature

Our responsibility towards our world begins with respect for nature. One of the products of AYDIN's respect for nature, Recycle uses inspiring technology to make a difference. It uses recycled yarns from the collected plastic waste to produce mattress fabric. Recycle is made from 100% recyclable materials, conserving natural resources and securing our future.

Recycling is the process of re-incorporation of wastes that can be reused for consumption by going through various processes. It takes a lot of energy and resources to manufacture a new product. When we throw away the products we use, we also throw away the energy and resources consumed during production. When we choose recyclable products, we not only save energy but also contribute to reducing the amount of waste as a part of recycling.



Sustainable



Natural



Eco Friendly

FOR MORE INFO





Cool Effect



Comfortable



**Air
Permeability**



Washable



**Sensitive
to Skin**



Eco Friendly

FOR MORE INFO



REPYLENE

RECYCLED POLYPROPYLENE

New experience of Cool

Iceland Mattress ticking quickly dissipates the heat in the sleeping environment to a wide surface thanks to its super-conductivity and it helps to keep the environment cool at all times. This cycle continues and the coolness effect of the fabric ensures washing. You can decrease the temperature more than 2°C even after spending 30 minutes on the fabric. The advanced chemical and physical structure of Iceland ensures the coolest sleeping environment.

With Iceland Mattress ticking, you sleep in a cool environment and start your day energetic, well-rested, and happy.

Recycle

Recycled polyester

Respect for Nature

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Sustainable



Natural



Eco Friendly

FOR MORE INFO

Recycle





CLIMATE *Series*



Cool Exploring



Cool Effect



Comfortable



**Air
Permeability**



Washable



**Sensitive
to Skin**



Eco Friendly

FOR MORE INFO

128 Climate



New experience of Cool

Iceland Mattress ticking quickly dissipates the heat in the sleeping environment to a wide surface thanks to its super-conductivity and it helps to keep the environment cool at all times. This cycle continues and the coolness effect of the fabric ensures washing. You can decrease the temperature more than 2°C even after spending 30 minutes on the fabric. The advanced chemical and physical structure of Iceland ensures the coolest sleeping environment.

With Iceland Mattress ticking, you sleep in a cool environment and start your day energetic, well-rested, and happy.

A close-up photograph of a white, textured mattress fabric. The fabric has a repeating pattern of small, raised, diamond-shaped tufts. In the center, there is a large, stylized purple logo that reads '37,5'. The logo is composed of a thick, textured purple line. The background is a soft, out-of-focus white fabric.

37,5

More than a Comfortable sleep

A good night's sleep has many benefits for the body. 37,5 mattress fabric, developed by the R&D department of AYDIN, promises more than just a comfortable sleep. With its hypoallergenic structure, skin-friendly 37,5 absorbs water vapor and infrared energy in your body.

Active molecule particles are used to accelerate the transfer of humidity and keep the sleeping environment at the ideal temperature. You can have the good night's sleep that your body needs with 37,5.

FOR MORE INFO

130Climate



Washable



**Provides Moisture
Transfer**



**Air
Permeability**



**Thermo
Regulation**



Hypoallergenic



Fast Drying

37,5°

More than a
comfortable sleep

FEEL
COOL
BE
COOL



Cool Effect



Comfortable



Air
Permeability



Washable



Sensitive
to Skin



Eco Friendly

FOR MORE INFO

132 Climate



Have the coolest sleep...

We spend about one-third of our life either sleeping or attempting to do so. Sleep is not only comforting but also necessary for survival and appropriate cognitive function. So having the ideal sleeping environment is vital. Furthermore, temperature is one of the most important components of a good sleeping environment.

Cool sleeping experience

Coolness mattress fabric, designed by AYDIN R&D Center, spreads coolness over a wide surface with its thermal conductivity feature to create a cooling effect while you are asleep.

Coolness Guaranteed!

Coolness mattress fabric's heat transfer quality is much higher than synthetic and natural fibers. According to accredited lab results, you can decrease your temperature up to 3.1 °C. At the same time, Coolness doesn't lose its features after washing so you can have a permanent cooling effect.



THERMO **REGULATE**

Smart temperature management

Thermo-Regulate fabric offers smart temperature management thanks to the microcapsule structure. Thermo-Regulate helps you be at the ideal sleep temperature by providing heat transfer with intelligent temperature management when the sleeping environment is very hot or cold. It keeps the temperature in the optimum range and helps you have a healthy and good quality sleep.

It is never too hot or too cold

For a night of good sleep, the sleeping environment should not be too hot or cold, so it is very important to maintain the ideal body temperature during sleep. Thermo-Regulate will optimize the sleeping temperature and provide you with the best sleeping experience.

FOR MORE INFO

134 Climate



**Humidity
Control**



**Air
Permeability**



Fast Drying



Washable



Easy Clean





Washable



Humidity Control



Cool Effect



Fast Drying



Easy Clean



Air Permeability

FOR MORE INFO

136Climate



Coolmax®, Breathing Technology

COOLMAX® is a polyester fiber designed to keep you cool in hot weather. This cooling technology creates fabrics with permanent moisture-wicking performance.

When it's a hot day and you want to stay cool, COOLMAX® technology transports moisture away from your skin to the surface of the fabric, where it evaporates quickly to help keep you cool, dry, and comfortable.

Coolmax® mattress fabric offers a cool and dry sleep because of its high air permeability and humidity management. The special structure of the fibers in Coolmax® fabric helps our bodies get rid of moisture faster while keeping the right humidity and temperature levels.

Keeping your body temperature and humidity under control is one of the most important factors for a comfortable sleep experience. Your body needs to be able to breathe to control body temperature. Coolmax® fabric keeps you dry by preventing moisture formation due to its fiber structure.

HOW IT'S DONE

Special fiber cross-sections move moisture to the outside of the fabric, where it quickly evaporates. As air flows through the fabric, you stay cooler.



WHAT MAKES IT MORE SUSTAINABLE?

Plastic bottles are collected, cleaned, ground up into flakes, and made into chips, which are then spun into fiber and yarn, and finally, woven into your apparel. So you can have the same performance you've come to know from the COOLMAX® brand, and help the environment. Good for the planet and good for business.





Hot & Cold Sleep with careless

If you've ever battled through a night of difficult sleep during the heat of summer, woken with freezing cold feet on a winter's night or found it hard to sleep after a particularly late evening meal, then you've experienced first-hand how temperature affects your sleep.

Both the temperature of your sleep environment and your body temperature will impact how well you sleep. Yet we often don't associate how well we're sleeping with how hot or cold we are in bed.

Setting the temp to somewhere in the 60- to 72-degree range helps create a just-right environment for sleep by working alongside the patterns of our core body temperature.

Capsaicin is the stuff in chili peppers that makes your mouth feel hot. But it's also got a medical purpose. It's a key ingredient in creams and patches that can give you relief from pain. By using capsaicin, Hot_X Mattress Ticking makes sure that you will never feel cold and get sick at nights.

FOR MORE INFO

138Climate



**Humidity
Control**



**Air
Permeability**



Fast Drying



Washable



Easy Clean





Washable



**Humidity
Control**



**Air
Permeability**



Fast Drying



Easy Clean

FOR MORE INFO

140 Climate



Regulates the temperature of your sleeping environment

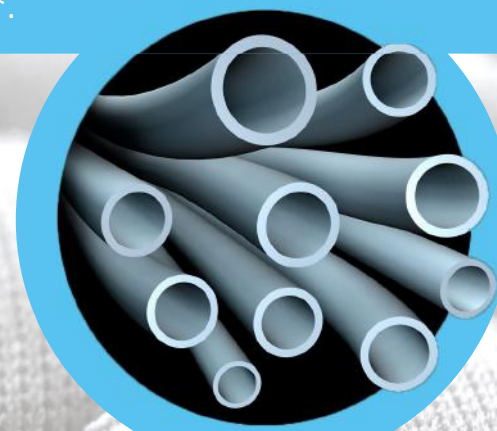
Enjoy the lightweight warmth of THERMOLITE®, a polyester fiber and insulation technology designed to keep you warm as the temperature drops. Because of its breathable fiber structures, Thermolite® fabric allows for uninterrupted sleep by maintaining your body temperature while preventing sweat and moisture.

This technology helps you stay warm when it's cool and cool when it's warm by using an innovative combination of fibers. Moisture-wicking fibers help you stay cool and dry, while hollow fibers provide lightweight warmth.

Advanced performance fibers and insulations are engineered to keep you at the desired temperature even in the most demanding conditions. Take your sleep to the next level with Thermolite

HOW IT'S DONE

Hollow core fibers trap air, provide insulation and wick moisture to the outside of the fabric where it can dry quickly*.



WHAT MAKES IT MORE SUSTAINABLE?

Plastic bottles are collected, cleaned, ground up into flakes, and made into chips, which are then spun into fiber and yarn, and finally, woven into your apparel. So you can have the same performance you've come to know from the THERMOLITE® brand, and help the environment. Good for the planet and good for business.

SAFEGUARD

Series





Biodegradable



**Air
Permeability**



Hard to Burn



Hypoallergenic



Eco Friendly

FOR MORE INFO

144 Safeguard



nature-friendly technology

COEX® is a patented technology that makes Natural fibers Inherently Fireproof and free of additives.

COEX® is biodegradable, hypoallergenic, soft, comfortable, and non-flammable. Itco does not burn, drip, or emit harmful gases such as dioxin and it resists even the highest of temperatures. It protects people from fire using nature. It does so thanks to a process that completes the characteristics of the cellulose together with other elements present in nature, which reinforce it, without genetically modifying it.

Your mattress fabric is fireproof

Flame Block mattress fabric, which passes BS EN 597-1 and BS EN 597-2 standards, is tested for its reliability against fire risk by resisting when exposed to flame. Flame Block +, on the other hand, is designed with increased protection and is developed to significantly reduce the risk of ignition.



Your Hero



Washable



Easy Clean



Water & Dirt Proof



Biodegradable



Air Permeability

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146 Safeguard



The 1600s to today

The risk of fire is more likely in situations when flammable chemicals or combustible materials are being used, but even in offices and other lower-risk environments, the risk of fire is always prevalent. So we need to be wise and responsible all the time. One of the first flame retardant applications for the textile industry was made to reduce the fire risk of the curtains of the Paris Theater in the 1600s

Protective Barrier

Flame Block and Flame Block + mattress fabrics, which are specially developed by AYDIN, help prevent fires. It acts as a protective barrier on the mattress.

Hard flammability finishing is applied to mattress fabric with a large surface area and the potential to burn, for protection against ignition. They delay the burning of the fabric and thus prevent the acceleration of the fire. This saves time for the first action to fire, first aid, and escape. It also reduces the energy and toxic gases emitted during the fire.



High-performance, protective technology

Teflon™ fabric protector surrounds each fiber with an invisible molecular shield guarding against oil- and water-based stains, dust, and dry soil. All of this, without impacting the look, touch, feel, color or breathability of the fabric.

Less stain, less energy, less environmental impact

It creates an invisible barrier on the surface against stains, spills, and other unfortunate conditions. The mattress fabric treated with Teflon™ provides comfort, performance, and protection. Products treated with Teflon™ fabric protectors use less energy, and save time and money.

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Washable



Easy Clean



**Water & Dirt
Proof**





Easy Care



Sustainable



Halogen Free



Flame Retardancy



Eco Friendly



Hallogen FREE FR

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150Safeguard



Hallogen Free FR

Mattress ticking, the fabric used for mattress covers, is often treated with “flame retardants” to prevent the spread of fire. However, commonly used “halogenated compounds,” which are effective, may contain chemicals that could potentially harm human health and the environment.

Ecotech Fr, on the other hand, is a newly developed fire retardant material that is environmentally friendly due to its use of non-halogenated compounds. It provides fire protection without posing risks to human health. Ecotech Fr fabrics offer economic, environmental, and social benefits, ensuring fire protection without adverse effects. Additionally, our Ecogfr application enables recycling at the end of its lifespan and complies with Oekotex standards. This provides sustainable solutions for mattress ticking fabrics.

Free From:

Halogen

Heavy metals

Bromine

Antimony

Organophosphate

Fluorocarbon

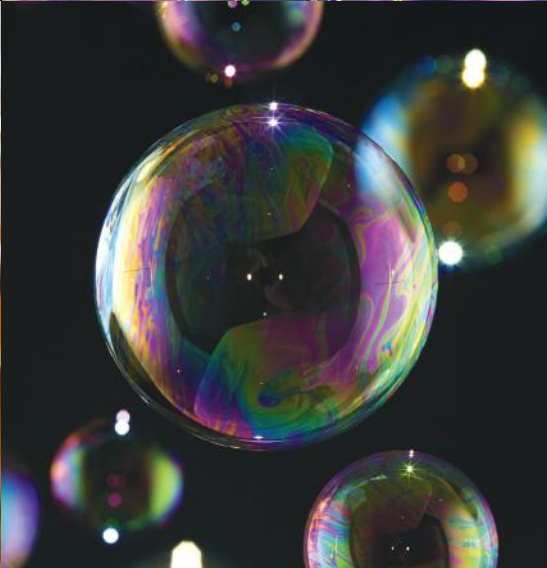
Bio-accumulative

Chemicals

ESSENCES

Series

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Lemon

Whether you associate lemons with lemonade, household cleaning, or a way to add flavor to dishes, there's no mistaking these ubiquitous fruits. Despite their famously sour taste, lemons are one of the all-time most popular and versatile fruits.

For a fairly small fruit, lemons are loaded with nutrients, including bone-strengthening calcium, mood-boosting magnesium, and muscle-supporting potassium. The pulp, juice, and peel contain flavonoids and vitamin C – two superstar antioxidants that are responsible for many of lemon's nutritional benefits. Lemon oil can put you in a better mood, soothing anxiety and lifting the spirits. A small study on mice found that mice who inhaled lemon oil vapor showed a decrease in symptoms of stress.



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Lemon



Lavender

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Lavender

People usually associate lavender with two specific traits: its fragrance and its color. But you may not know that the lavender flower and the oil derived from it have long histories in herbal medicine.

The word lavender comes from the Latin root “lavare,” which means “to wash.” The earliest recorded use of lavender dates back to ancient Egypt. There, lavender oil played a role in the mummification process.

Lavender is believed to have antiseptic and anti-inflammatory properties, which can help to heal minor burns and bug bites. Research suggests that it may be useful for treating anxiety, insomnia, depression, and restlessness.



Ginseng

Ginseng was originally used as an herbal medicine in ancient China. There are even written records about its properties dating back to about 100 A.D.

Today Ginseng is arguably the most well-known adaptogenic and commercially used medicinal herb, especially as a supplement to boost energy. Traditionally, Ginseng is used to strengthen the mind and body, restore adrenal health, improve stamina and cognitive function, boost immunity, and virility, and increase the overall sense of well-being. It is antioxidant, anti-inflammatory, anti-fatigue, and anti-aging and may help in cancer and diabetic treatments.



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Ginseng



Coffee

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Coffee



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Coffee is made from coffee beans extracted from the *Coffea* plant species. Coffee beans contain caffeine, an ingredient that contains antioxidants; antioxidants are important to the body because they can fight free radicals which cause cell destruction in the body. However, because coffee is also a stimulant, it dilutes the blood vessels and pumps blood faster through the body, making both the brain and the heart work faster.

The coffee smell might have more features than this. There is a new study into the effects of the aroma of coffee has found that it can sharpen the brain in certain circumstances according to the Stevens School of Business.

Specifically, researchers split 114 students into two groups to answer maths questions from the Graduate Management Admission Test (GMAT). One group was exposed to a coffee smell during the test and ended up with “significantly higher” scores. What’s more, based on questions asked during the test, just smelling the beverage seemed to boost students’ expectations for how well they would do. The researchers think some sort of placebo effect might be happening, where an expected increase in performance ends up leading to an actual increase.



Strawberry

Strawberries are a favorite summer fruit. They appear in everything from yogurt to desserts and salads. Strawberries are a low-glycemic fruit, making them a tasty option for people looking to control or reduce their glucose levels.

Strawberries are good for your whole body. They naturally deliver vitamins, fiber, and particularly high levels of antioxidants known as polyphenols -- without any sodium, fat, or cholesterol. They are among the top 20 fruits in antioxidant capacity and are a good source of manganese and potassium. Just one serving -- about eight strawberries -- provides more vitamin C than an orange.

The University of London's Centre for the Study of the Senses study recently found strawberries to be the 'happiest' of fruits, with British people associating their smell with connotations of summer and in particular freshly cut grass.



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Strawberry



Vanilla

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Vanilla

Natural vanilla extract is made from the pods of the vanilla plant, commonly found in tropical areas of the world, and is widely used to flavor foods and beverages. It is also used in medicines and fragrances.

Vanilla is one of the most expensive spices in the world because it is so labor-intensive to produce. Vanilla plant flowers are hand-pollinated, and the bean pods are ripened, dried, and conditioned to create their distinctive flavor and aroma.

When we smell vanilla, it helps to improve our mood and also reduces stress levels.

Pleasant-smelling aromas such as vanilla can be used to help reduce our stress and anxiety levels. There is a lot of scientific evidence showing the benefits of smelling aromas like vanilla - it improves our mood and also reduces our stress levels. This leads to improved health overall.



Daisy

The common daisy (*Bellis perennis*) is arguably one of the most useful therapeutic herbs that we have that is grossly overlooked. Ask people about the daisy and most of them will have made daisy chains but won't know that the daisy is edible and is also a valuable herbal medicine.

Daisy has fallen out of use in modern herbal medicine but at one time its properties were much better known. It was used to ease aches, pains, and strains in the way that people now use arnica [arnica is a type of daisy that grows in the Alps]. Common daisy was known as "Gardeners' Friend" because it was applied to relieve the aching joints of people who had been crouched down gardening all day.

The use of the daisy flower for human well-being and health dates back to ancient times, and popular wisdom has contributed significantly to the knowledge of its therapeutic uses. Science, in support of nature, has done the rest, discovering its enormous biological potential and possible cosmetic use.



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Daisy



*Luck'n
Love*

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Luck 'n Love

Who doesn't appreciate that magical feeling of being in love? Over the years many studies have shown that being in love goes beyond that warm and fuzzy feeling and the obvious advantage of always having a date for Valentine's Day. Whether you find yourself with a romantic partner, family member, or friend, these special connections have proven to be beneficial to our health.

The health benefits of love may surprise you - love can keep you healthy mentally, physically, socially, and spiritually too. This is good news for people who spend time in loving environments and what's most important is that it's not just the physical side from which you can benefit- just being in love is enough. The smell of love is going to make you feel great!



Eucalyptus

You know what eucalyptus smells like. It's already in your home, mixed into your chest rub or mouthwash. You may have even picked up a refreshing whiff of it at your favorite spa...

Long been used to help coughs, colds, and sinus congestion, there are many other health benefits of eucalyptus oil that you may not know of.

Eucalyptus has some cineole which gives its distinctive scent and medicinal properties. A potent antimicrobial, eucalyptus is a true multipurpose oil that works against bacteria and viruses - which is why it's so good for colds and other respiratory ailments - as well as fungi.

The list is surprisingly longer than this. Eucalyptus can relieve your allergies, ease headaches and pain, ward off mosquitos, combat stress, treat wounds and burns, disinfect your home, and even help with skin and hair conditions like acne, dandruff, and lice.



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Eucalyptus



Rose

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Rose

Roses have been used in herbal medicine for centuries and are full of healthful properties. Different teas may use different parts of the rose plant as ingredients in their blends: rose petals are often added to a light, mellow teas to add a floral note, while rose hips are often added to fruit-forward blends to add sweetness and tartness. While rose petals and rose hips differ in taste and in the particular benefits they confer, they're both healthy, tasty additions to herbal and caffeinated blends.



Cherry

There are more than 100 types of cherries, but they are grouped into two major types: sweet and tart. While all cherries provide vitamin C, antioxidants, and anti-inflammatory compounds, the two types can each provide different health benefits. The benefits of cherries range from improving sleep to preventing disease. Some evidence suggests that they may also help lower inflammation, protect heart health, and relieve stress as part of a healthy diet.

The cherry fragrance is a type of fragrance note that is often described as sweet, juicy, and slightly tart. The scent of cherry is typically derived from the essential oils of the cherry fruit, which are extracted through a process of distillation or synthetic reproduction. The sweet and fruity scent of cherry can help to elevate mood and improve overall well-being. Also, the cherry fragrance is known to have a soothing and calming effect on the mind and body, which can help to promote relaxation and reduce stress.



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Cherry



Chocolate

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Chocolate

Chocolate is made from tropical *Theobroma cacao* tree seeds. Its earliest use dates back to the Olmec civilization in Mesoamerica.

After the European discovery of the Americas, chocolate became very popular in the wider world, and its demand exploded.

The next time you eat a piece of chocolate, you may not have to feel so guilty about it. Despite its bad reputation for causing weight gain, several health benefits may be associated with this delicious treat.

Chocolate can help with aging, and conditions such as oxidative stress, blood pressure regulation, and atherosclerosis. Among several kinds of research, it is concluded that chocolate had a significant calming effect on the brain



with Milk Honey

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Milk
with *Honey*



Fresh Laundry Smell

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*Fresh
Laundry
Smell*

Why is it that when you take out a freshly washed load of laundry, your first instinct is to gather up all the clothes, bury your face in them, and take the biggest breath in so you inhale that oh-so-familiar and instantly soothing smell of freshly washed laundry?

There's just something wonderful, homey, and comforting about the smell of freshly washed laundry that transforms ordinary moments like jumping into fresh bed sheets or pulling on your favorite baggy t-shirt into some of life's most treasured moments of a secret delight. Nothing gives all-day comfort like the smell of freshly laundered clothes. Have this fresh laundry smell on your bed every single day!



Peppermint

Peppermint creates a cool sensation in the mouth. Toothpaste, mouthwash, breath mints, and chewing gum are all commonly flavored with mint. In addition to freshening breath, mint adds flavor to foods and drinks – everything from ice cream and tarts to lemonade and drinks to meat dishes.

Besides these benefits, the healing benefits of peppermint are extensive. While virtually side-effect-free, peppermint can treat a wide selection of ailments, while still making for a perfectly acceptable dessert flavor! We can trace peppermint's medicinal use from ancient times. Throughout civilization, mankind has demonstrated a preference for plants' smell, taste, and healing attributes.



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Peppermint

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