

# ACARBUSTER®



the dust mite proof fabric with  
the best value of transpirability  
and barrier effect\*,

the solution  
that is effective,  
certified and  
definitive



Essential for the control of asthma caused by allergens of dust mite,  
mold and fungus.

Also useful for the control of severe atopic dermatitis.

## Envicon® Medical

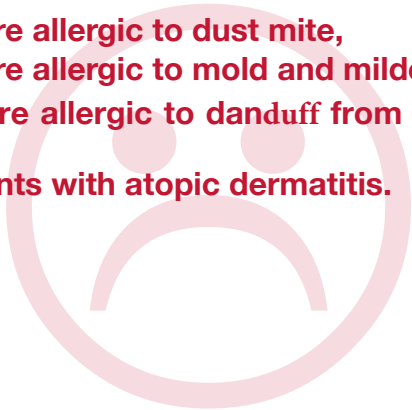
*for a better quality of life*

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# DUST MITE PROOF FABRIC:

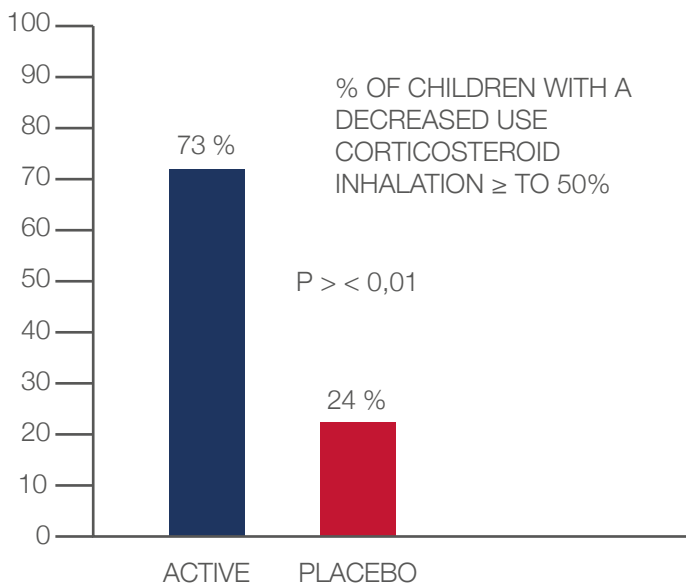
## When to use it:

- if you are allergic to dust mite,
- if you are allergic to mold and mildew,
- if you are allergic to danduff from dogs and cats,
- in patients with atopic dermatitis.



## The mattress and pillow cover is effective on children affected of dust mite allergy and asthma<sup>1</sup>:

60 children between 6 and 15 years old with asthma and dust mite allergy. Active group and the placebo group. Mattress and pillow cover. Follow-up of 1 year.

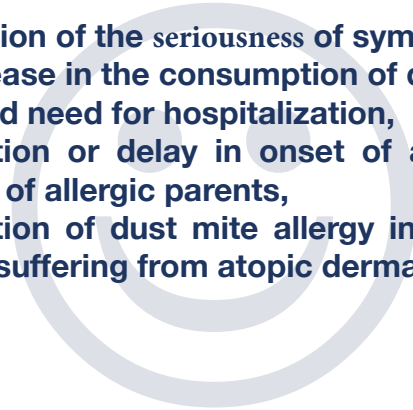


**THE BARRIER CREATED BY THE FABRIC OF MATTRESS AND PILLOW COVERS BRING A SIGNIFICANT LONG TERM REDUCTION OF MERGERS OF ALLERGENS OF DUST MITES IN THE MATTRESS AND A SIGNIFICANT REDUCTION OF NEED FOR STEROIDS INHALATIONS IN CHILDREN WITH ALLERGY TO MITES AND ASTHMA.**

1-J Allergy Clin Immunol. 2003 Jan;111(1):169-76. Effect of mattress and pillow encasings on children with asthma and house dust mite allergy. Halken S1, Høst A, Niklassen U, Hansen LG, Nielsen F, Pedersen S, Osterballe O, Veggerby C, Poulsen LK.

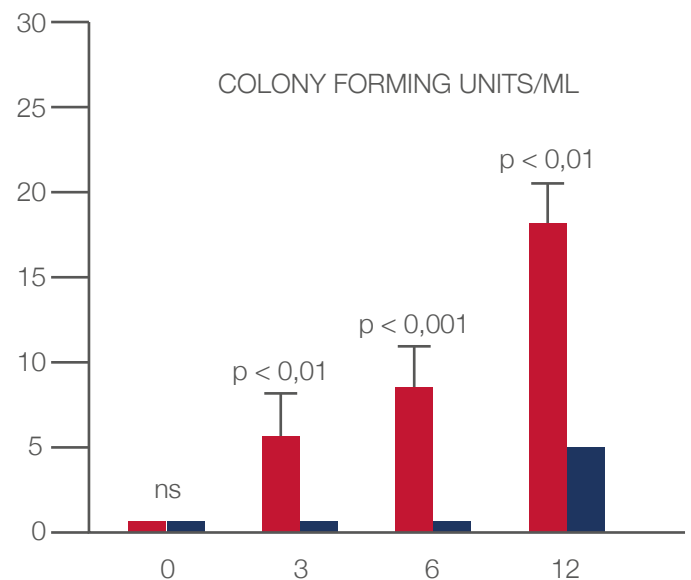
## What to expect:

- a reduction of the seriousness of symptoms,
- a decrease in the consumption of drugs,
- a limited need for hospitalization,
- prevention or delay in onset of allergy in children of allergic parents,
- prevention of dust mite allergy in persons already suffering from atopic dermatitis.



## Proliferation of fungus and mold on mattresses covered with different barrier tissues<sup>2</sup>:

35 covers in cotton, 35 synthetic waterproof covers composed of particles of 3 microns. All applied on new foam made mattresses. Sampling at 3, 6 and 12 months.



**THE USE OF SYNTHETIC COVERS BARRIER IS RECOMMENDED AS PART OF A STRATEGY OF REMOVAL OF THE ALLERGEN FOR PATIENTS ALLERGIC TO MILDEW.**

2-Eur J Dermatol. 2001 Nov-Dec;11(6):534-7. Filamentous fungi and yeasts on mattresses covered with different encasings. Pitten FA1, Scholler M, Krüger U, Effendy I, Kramer A.

# DUST MITE PROOF FABRIC:

## The dust mite:

The most common allergen, the main cause of asthma, rhinoconjunctivitis and atopic dermatitis, is the mite of the dust. They live mainly in mattresses, pillows, blankets, quilts, sofas and carpets, where is the ideal environment for their development.

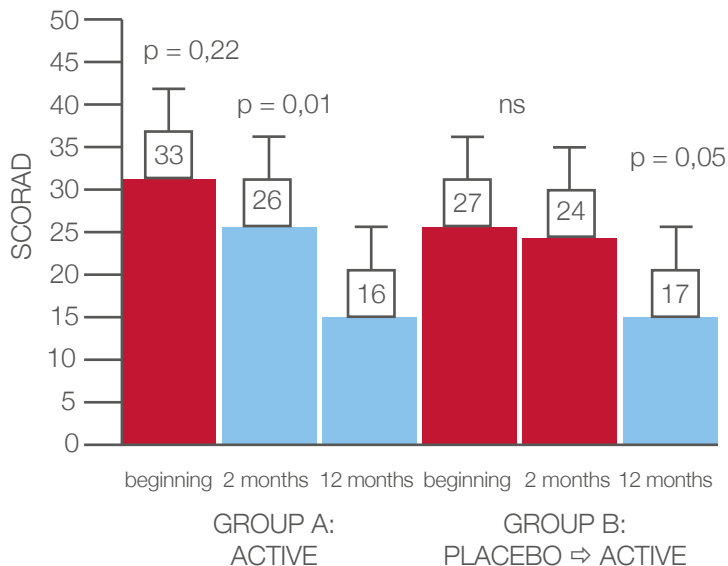
## THERE ARE NO ANTI-MITE MATTRESSES OR PILLOWS!

In case of mite allergy you should always use mattress covers, pillow covers and blankets covers made of mite barrier's fabric. Thanks to its more than 11,000 micro-filaments per cm<sup>2</sup> tissue barrier Acarbuster® is the only one that can block even the cat allergen (the smallest in nature).



## Effect of environmental mite prevention in children with atopic dermatitis<sup>3</sup>:

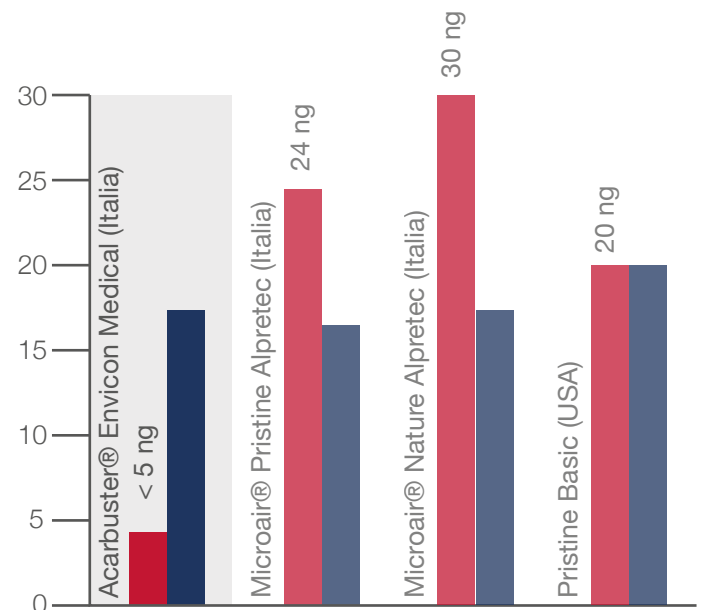
41 children (average age between 3 and 9 years) with atopic dermatitis. measurement the SCORAD (severity of the DA). A controlled study of 2 months in duration (to group A were provided mite mattress covers and pillow covers, but not to Group B). In the second part of the study also the group B is equipped with anti-dust mite covers. Follow-up of 1 year.



**ANTI-MITE ENVIRONMENTAL PROPHYLAXIS SHOULD BE RECOMMENDED TO CHILDREN WITH ATOPIC DERMATITIS TO MONITOR THE CLINICAL EVENTS AND PREVENTING SENSITISATION TO DUST MITE.**

## Barrier and transpiration of different materials used for the anti-mite covers<sup>4</sup>:

- Passing allergen cat: nanograms.
- transpirability: liters of air per minutes



**KEEPING AN EQUIVALENT TRANSPARATION, THE FABRIC ANTI-MITE ACARBUSTER® IS THE MOST EFFECTIVE IN LIMITING THE PASSAGE OF THE ALLERGEN OF CAT (FELD1) THAT IS ONLY 0.5 MICRON, 20-40 TIMES SMALLER THAN THE ALLERGEN OF MITE.**

3-Br J Dermatol. 2000 Aug;143(2):379-84. "Effect of house dust mite avoidance measures in children with atopic dermatitis." Ricci G1, Patrizi A, Specchia F, Menna L, Bottau P, D'Angelo V, Masi M.

4-Allergy. 2004 Sep;59(9):969-72. "Efficacy in allergen control and air permeability of different materials used for bed encasement." Peroni DG1, Ressa M, Pigozzi R, del Giudice MM, Bodini A, Piacentini GL.

# ACARBUSTER®



For dust ACARUS allergy sufferer Envicon® Medical has developed the fabric barrier mite Acarbuster®, essential to reduce the symptoms of asthma, rhinoconjunctivitis and atopic dermatitis. Acarbuster® is the tissue barrier acarus more reliable for its excellent features:

**BREATHABILITY:** it guarantees the passage of air and perspiration for a rest comfortable, avoiding the development of mold and mildew.

**EFFECTIVENESS:** it prevents the passage of mites and other allergens thanks the dense network of micro-filaments (more than 11,000 micro-filaments per cm<sup>2</sup>).

**RESISTANCE:** it is determined by the material that makes up its microfilaments: 100% polyester.

**EASY MAINTENANCE:** it must be machine washed at 60 ° C every 6 weeks with a normal detergent and it can be dried in a dryer.

**"MADE IN ITALY":** all products packaged with tissue barrier mite Acarbuster® are Made in Italy and tested at the University of Medicine of Verona.

**WARRANTY:** 10 years.

**MEDICAL DEVICES:** all products are exclusively packaged in mite barrier fabric Acarbuster® that are medical devices class 1 CE registered with the Ministry of Health in accordance with European council directive 93/42 / EEC.

**CERTIFICATION:** the effectiveness of the mite (acarus) barrier fabric Acarbuster® is certified by an independent scientific study published by the international scientific journal Allergy®. The fabric Acarbuster® is also certified ECARF® and by the International Centre for Interdisciplinary Studies of Immunology at Georgetown University in Washington DC.

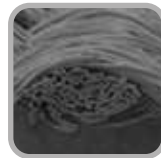
## PILLOWS AND MATTRESS COVERS:



## BLANKETS AND DUVET COVERS:



**Quality of finishes:** the barrier effect is guaranteed by the double internal seam and by the tape dust mite proof which decreases the possibilities of contact between our organism and allergens that are within the mattress.



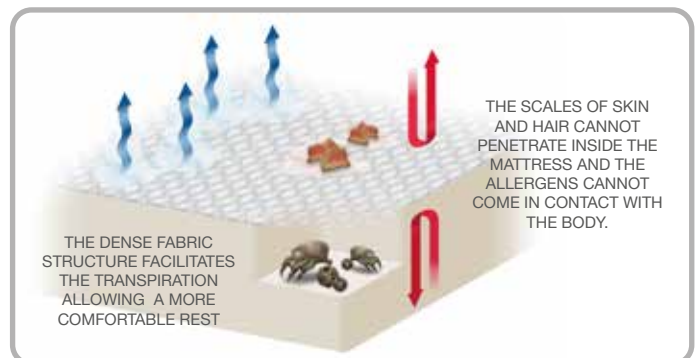
**2000X** magnification of the electron microscope section of a single strand of the fabric barrier anti acarus Acarbuster show that each thread is composed of a hundred microfilaments that guarantee the effectiveness and breathability of the fabric.



Electron micrograph of the acarus of dust on fabric Acarbuster® performed at the Institute of Anatomy and Histology of the University of Verona. It has been certified that the mite and its stool can not pass through the tissue barrier Acarbuster®.



**Full protection:** the shell fabric barrier Acarbuster® completely cover mattresses and pillows and guarantee a better effect barrier. IT can be removed for washing thanks to a zip available on the shorter side.



## BLANKETS:



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