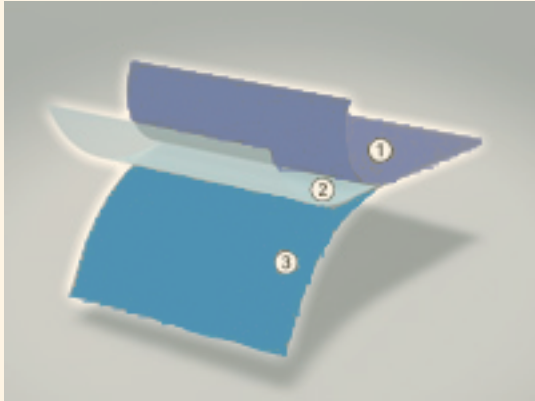


# MICROAIR® *IN-Between*

the innovative solution for CONTACT DERMATITIS



Colours used are purely explanatory

MICROAIR® *IN-Between* is a three-layer barrier fabric made of a knitted polyester microfibre with piqué construction (1+3), while the internal layer is a microporous membrane (2) that provides the fabric with these original and innovative features:

- Total impermeability to liquids, ions and gas
- High wicking thanks to very high water vapour transmission rate (1062 gr/m<sup>2</sup>/24h);
- Physical barrier to allergens and irritants

## Contact dermatitis is an inflammatory reaction of the skin to harmful environmental agents.

It may be irritative (due to contact with an irritating substance) or allergic (delayed immune reaction in response to contact with an allergen in sensitized individuals).

The pollutants that cause inflammatory reactions are countless: detergents, soaps, solvents, or oxidizing dehydrating agents cause irritative dermatitis; while the allergic dermatitis is caused by "specific" groups of substances: metals (chromium, nickel, cobalt, mercury, etc.); chemicals contained in rubber (tiurami, parafenilendiamina); resins, dyes (all substances of the para group); formaldehyde, etc.

Contact with these substances can occur through clothing, cosmetics, shoes, additives, dyes, adhesives, food, cement, etc.

## THERAPY = PREVENTION

The first treatment is the removal of harmful substances

### EXISTING SOLUTIONS:

*barrier cream + special gloves or shoes*

- \* expensive
- \* difficult to manage
- \* uncomfortable
- \* targeted
- \* toxic
- \* poor efficacy
- \* low compliance
- \* not helpful

### IDEAL SOLUTION:

**MICROAIR® *IN-Between***

- \* *physical barrier to allergens*
- \* *physical barrier to irritants*
- \* *wicking and comfort*
- \* *safe and easy to use*



**Contact dermatitis is one of the most common dermatological diseases both in the professional and extraprofessional field, which involves economic repercussions on the national health system not only in terms of diagnosis and therapy costs but also in terms of lost working days.**

## HOW TO USE MICROAIR® *IN-Between* barrier gloves and socks

- 1- It is suggested to wear at first, in direct contact with the skin, DermaSilk® gloves or undersocks specially designed for the treatment of inflammatory skin conditions such as Contact Dermatitis.
- 2- Wear **MICROAIR® *IN-Between*** barrier socks or gloves on DermaSilk® to prevent the harmful substance from coming into contact with the skin.
- 3- If necessary, use work gloves and ordinary socks on **MICROAIR® *IN-Between***.

**MICROAIR® *IN-Between*** barrier socks and gloves can be used in direct contact with the skin during the maintenance phase.

**Care instructions:** wash in the washing machine at 60-90°C using a standard liquid detergent without softener.



### Case report: "Use of new barrier socks in contact allergic dermatitis"

"In conclusion the socks Microair IN-Between have succeeded in keeping the patient's dermatitis under control, in improving his insurance status (now that he can wear accident-prevention footwear), in considerably containing costs leading to savings on direct costs of over € 1200.00/year and, above all, in restoring to the patient a satisfactory quality of life."

*Franco Borghesan, Massimo Bellotti, European Annals of Allergy and Clinical Immunology; Vol. 39 - N.6 June 2007.*



### WICKING TEST

The machine continuously blows air into the **MICROAIR® *IN-Between*** sock and immerses it in the water to check the hermetic sealing of seams and to assess the airflow through the fabric.



The air bubbles come out continuously from the sock showing the high wicking of **MICROAIR® *IN-Between*** barrier fabric; furthermore, the inside of the sock is perfectly dry proving that both the barrier fabric and the seams are totally waterproof.

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