

  
**Alsico**  
more than workwear

*Innovaties in comfort en  
ergonomie in arbeidskleding.*

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*Nieuwe inzichten voor  
bewegingsvrijheid  
in zorgkledij voor de toekomst .*

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- Modelling
- Fashion
- Kleuren
- Corporate Image
- Functionaliteit
- Budget
- Comfort & ergonomie

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**Comfort en ergonomie in praktijk:**

- Warmtegevoel
- Transpiratie
- Bewegingsvrijheid



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Je goed voelen is belangrijk om je werk goed te kunnen uitoefenen



**EMPLOYER BRANDING**

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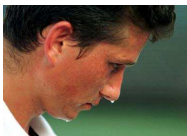
**Warmte en transpiratie versus kleding**

→ Thermische binnenklimaat zorginstelling > 20°

→ max. tevredenheidsgraad binnenklimaat (PMV – NEN ISO 7730) → 25,5°

→ PMV bepaald door type activiteit + luchtsnelheid + luchttemperatuur + rel. vochtigheid + KLEDING

→ PMV overstijgen → dalende tevredenheid + dalende productiviteit



studieprof. O. Fanger - Syracuse Univ. - USA / R. Traversi - TNO 2010

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- Heat stress op lichaam  
→ aandacht daalt en stijgende kans op foute beslissingen (> 37°)  
(Stude Hancock 1986 (Psy Bull 99 263-281) / Benor& Shvartz 1971 (Aerospace Medicine ))
- > 92,5 % van de vrouwelijke werknemers  
→ menopauze → vrouwvriendelijke kleding
- Moisture management + evaporative cooling  
→ transpiratie weggeleiden  
( journal of textile and apparel, technology and management 2002)

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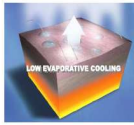
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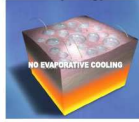
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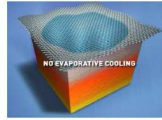
When the body core temperature is over 37° C, there are psychological responses to heat stress:



Ambient Humidity will reduce the evaporation rate



NEGATIVE FACTORS



Too much perspiration and the radiated heat from the body will not provide enough energy to all that liquid to feed an efficient evaporation reaction

Apparel with low or very low moisture management capability will decelerate or totally block the evaporation




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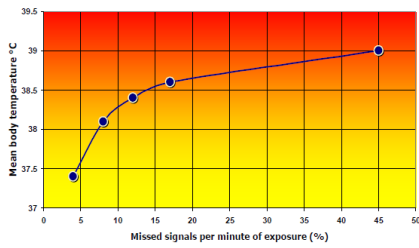
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Test showed that people under heat stress could not keep sustained attention and tended to take wrong decisions.

How heat strain affects decision making



See Hancock 1986 Psy Bull 99 263-281  
Renner & Shvartz 1971 Aerospace Medicine 42 727-730

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Een goede werkhouding door aangepaste kleding

heffen en tillen  
→ bewegingsvrijheid

fysieke belasting rug en schouders  
→ goede werkhouding moet mogelijk zijn

rugklachten > 40,6%

(study Oregon 1993-1997 – accepted disabling claims for healthcare workers)




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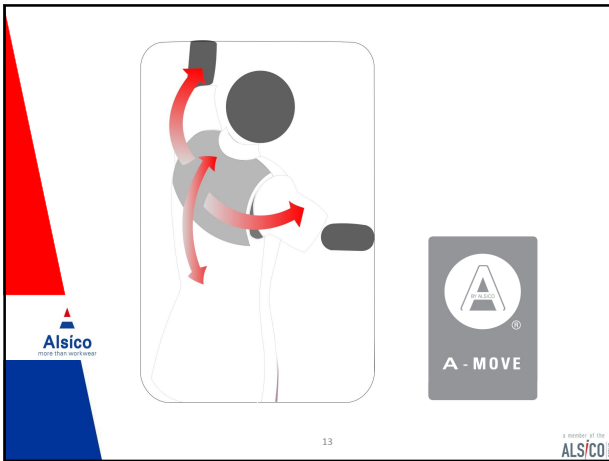
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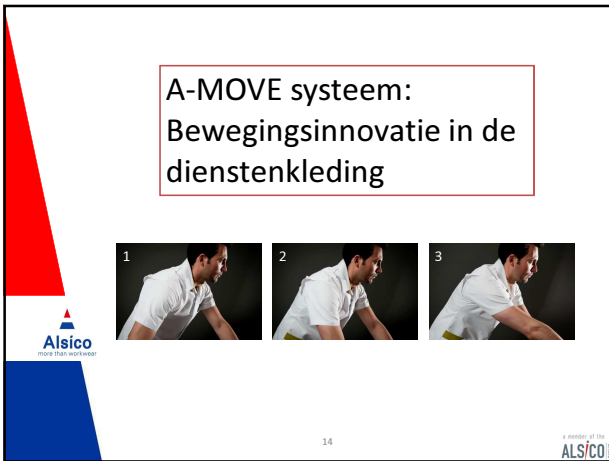
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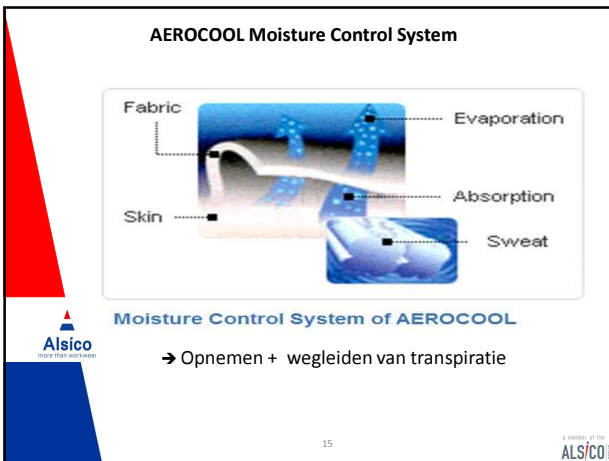
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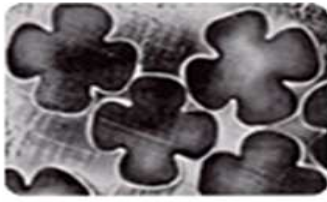
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Capilaire werking van de pes-vezel



Cross Section of AEROCOOL



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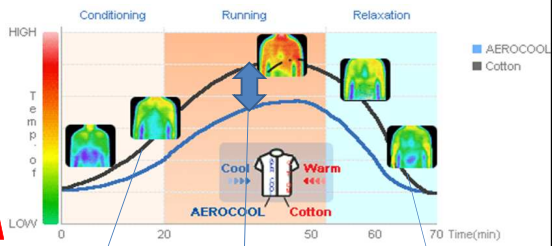
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1 à 2 °C lichaamstemp. verschil

Therm. Isolerend effect van katoen

Verzadigd katoen = nat

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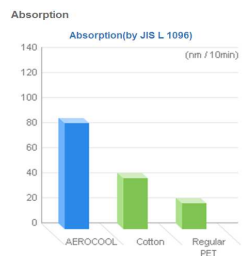
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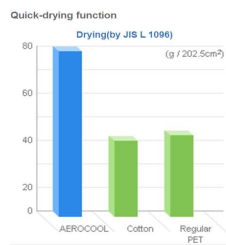
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dubbele absorptie vgl. katoen



Dubbel zo snel weggeleiden vgl. katoen

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« zit zeer comfortabel, ook voor grotere maten »

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« een optimale bewegingsvrijheid »

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« goed ventilerend, fris gevoel »

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« een trendy look, elegant »

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« mag ik de kleding houden »

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**azGlorieux**  
ZVB | TOTAALZORG | VLAAMSE ARDENNEN

Met dank aan de directie en medewerkers  
van AZ Glorieux Ronse.  
--  
medewerkers van het Chirurgisch  
Dagziekenhuis.  
--  
Dhr. Bart Bellinck  
Dhr. Noel Cierkens

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Met dank voor de aandacht.  
Gunter Meessens – Angelique Verdonck – Johan Gevers  
Zorgsymposium 13 september 2011

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