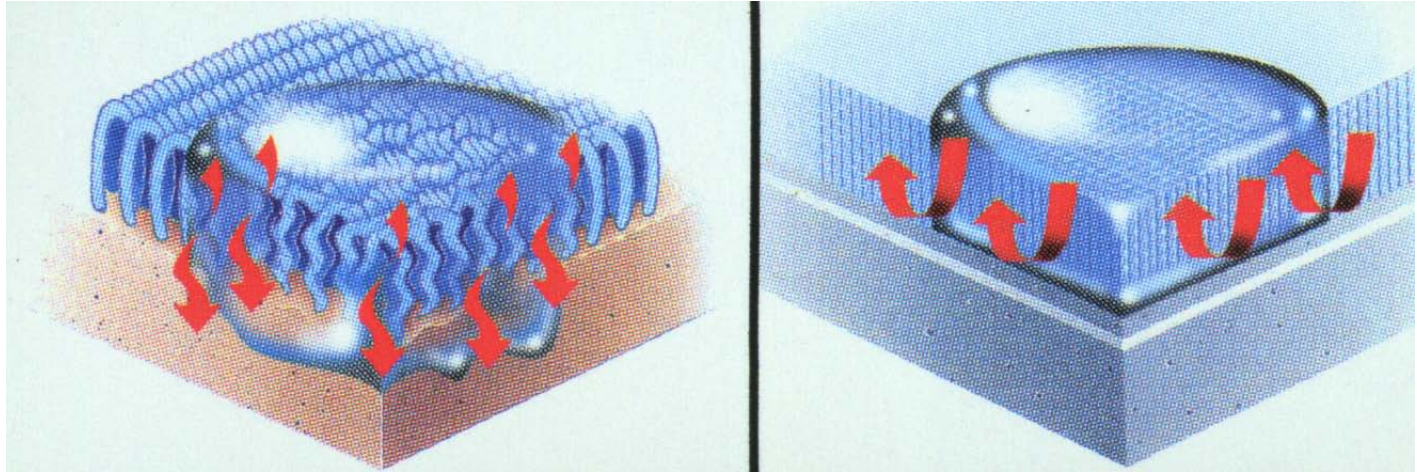


# Carpet vs flotex



**Even carpets with impermeable backings can allow moisture to penetrate and fester between the primary and secondary backings**

**Water remains within the dense pile on flotex allowing for thorough wet cleaning and rapid drying.**

- flotex is completely waterproof
- Allows for thorough wet cleaning.

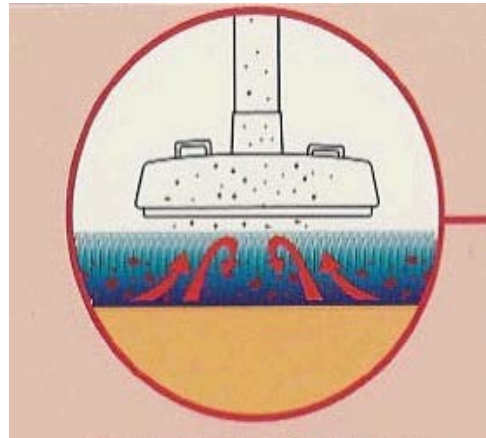
# flotex can be cleaned at 100°C(!) for rapid steam disinfection

flotex has a nylon 6.6 wear layer that provides slip protection and acoustic damping normally associated with textiles.

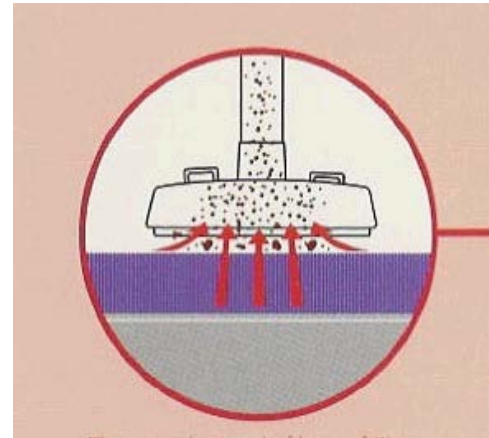


# Improved hygiene is a result of flotex construction

- Allergy Approved
- Ability to trap allergens and then safely release them to standard cleaning appliances.

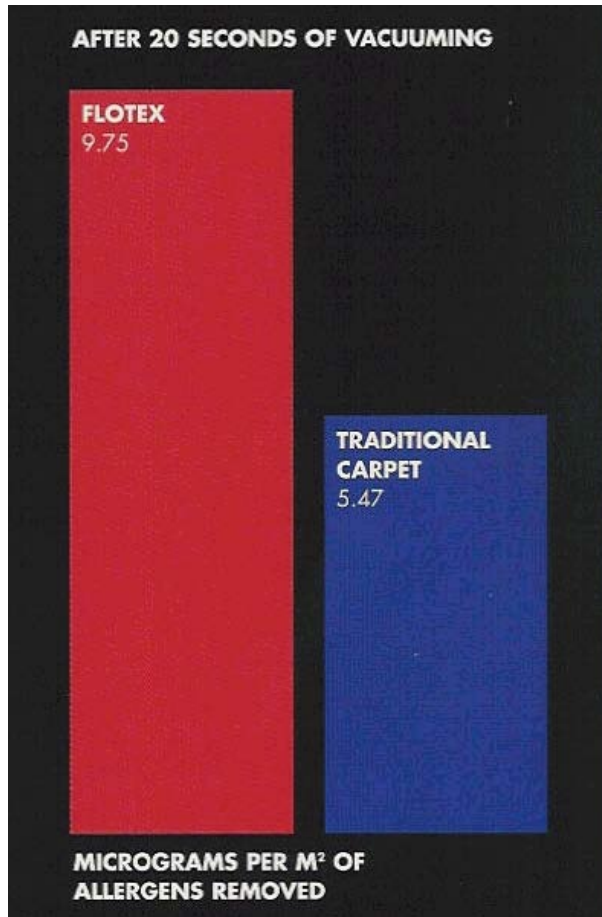


**The twisted fibres of carpets trap and conceal dirt and allergens**



**The smooth straight fibres of Flotex release dirt and allergens**

# Proven performance, awarded results



flotex releases over twice as many allergens when cleaned, compared to conventional carpets. Removing more harmful allergens from the environment, and creating greater comfort for asthma and allergy sufferers. **It is the only textile to be approved the BAF**



# Additional hygiene, for lasting performance

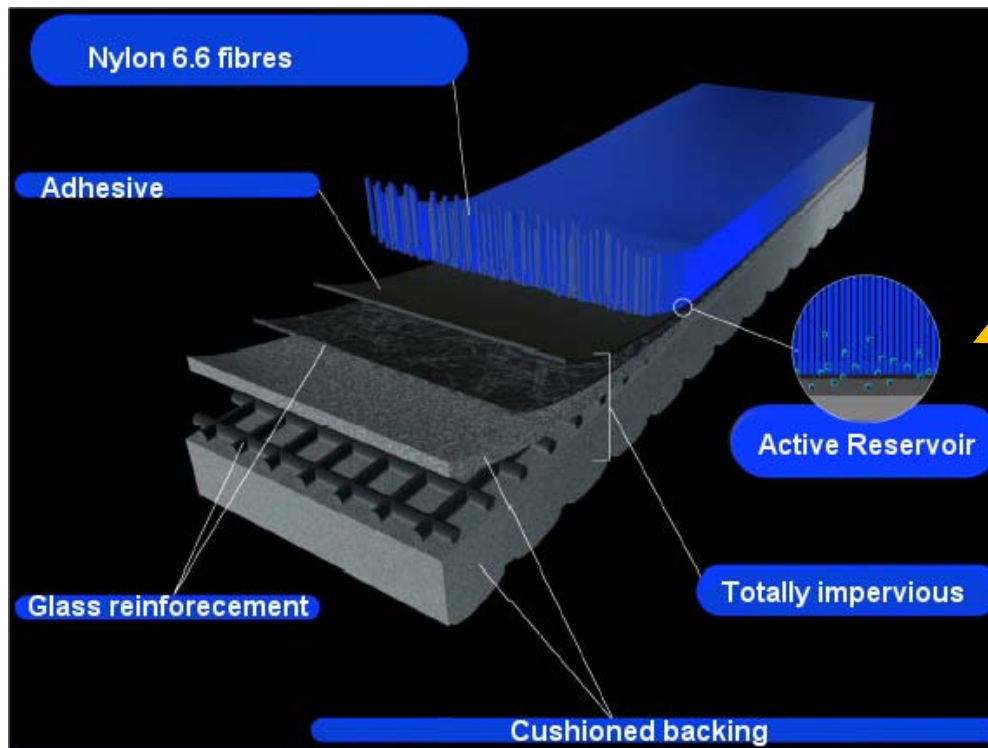
Due to its structure and the cleaning properties flotex had always been inherently antimicrobial.

Since 2005 all flotex products are additionally treated with an antimicrobial treatment called Sanitized®. This treatment supports the hygienic properties of Flotex.

Sanitized® is a zinc based treatment used in many products like shampoos and tooth pastes. It effectively reduces a large variety of microbes and bacteria.



# Sanitized® treatment, for lasting performance



# Sanitized®: proven performance, long-lasting protection

## – Durability

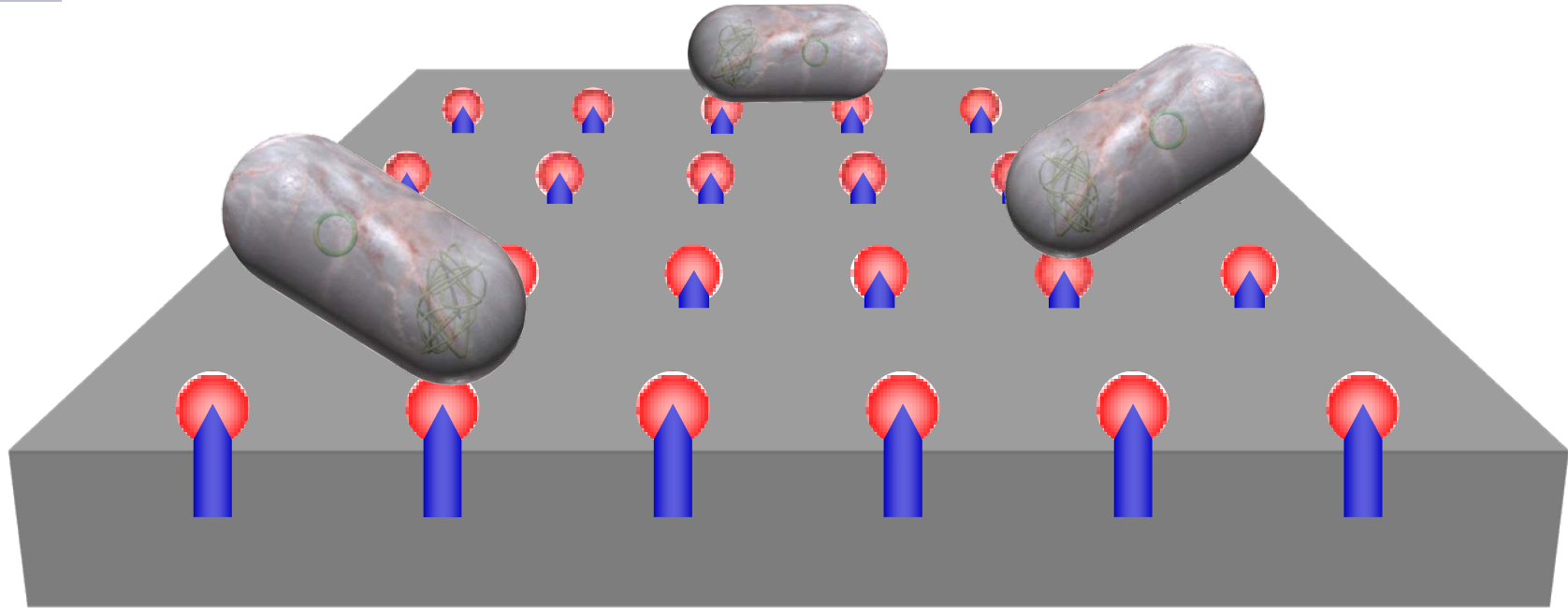
- Samples were subjected to 20 hot water extractions (also known as steam cleaning)
- Cleaning method used: ISO 11379 – Textile floor coverings: laboratory cleaning procedure using spray extraction (with standard detergent at 70°C )
- Assessment: Samples tested in accordance with method AATCC 174 to assess durability of the treatment.

## Results

Test Bacteria	% Reduction	
	Staph. aureus	Kleb. pneumoniae
As produced	99.96%	99.95%
After 20 washes	99.96%	99.87%

**Conclusion: Even when exposed to regular hot water extraction (or washing) the Sanitized® treatment on flotex will not wear off**

# Sanitized®: practice

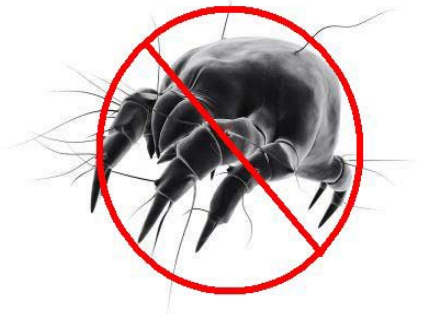


- The active ingredient is anchored in the substrate during manufacturing.
- Microbes draw near the surface of the protected substrate.
- The active ingredient changes the properties of the microbe's membrane that prevents the absorption of nutrients which leads to cell death. **See image above**
- Since the active ingredient is built-in the effect is durable.



# Sanitized® additional benefits: Control of dust mites

- Dust Mites feed on dead skin cells
- The skin cells have to be 'broken down' by a fungi (*Aspergillus repens*) to make it digestible to the dust mite
- Sanitized® attacks the fungi preventing it from breaking down the skin cells – the dust mite now cannot digest and therefore dies.
- In independent tests Sanitized® treated flotex reduced the dust mite population by 86% compared to an untreated control



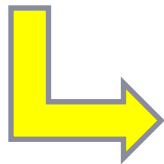
# Sanitized® : material data

- Active ingredient is Zinc Pyrithione
- Registered for use in carpets by the US Environmental Protection Agency (EPA) number 3090-218,
- Used in skin contact applications (such as anti-dandruff shampoos or toothpastes).
- Not a carcinogen, mutagen, teratogen or a skin sensitizer.
- Free from Arsenic, Cadmium, Lead, Mercury or other toxic heavy metals, phenols or formaldehyde.
- Does not contain VOC's.
- Does not accumulate in the environment.
- Is not silver based

# Limitations - Disclaimer

- flotex treated with Sanitized® inhibits the growth of microbes, supporting a good cleaning routine that is essential to maintaining hygienic surfaces  
However.....

- The treatment can be 'overwhelmed' by large spills, heavy contamination or soiling left on the carpet for long periods of time.



The Sanitized® treatments supports a regular cleaning regime but it does not replace it!