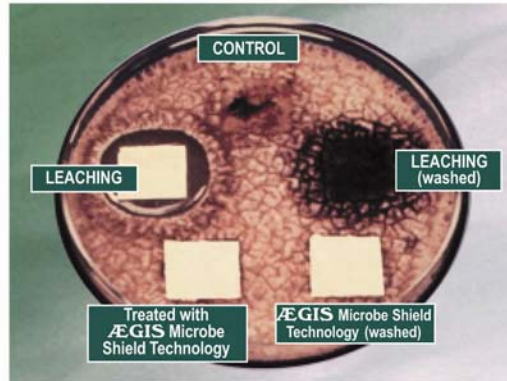


The Nature of Antimicrobials



This photo shows how a conventional leaching antimicrobial leaves the fiber creating a zone of inhibition around the sample. The ÆGIS Microbe Shield technology (AEM 5700) shows no release of its bound antimicrobial technology even after multiple washings.

Conventional Antimicrobials (Microban, Ultrafresh, etc.)

Diffuse from the product to come in contact with the microbe

- Leach or migrate from the product
- Are consumed by microorganisms
- Chemically interrupt (poison) the cell
- Can be used up
- Cause adaptative microorganisms (“super bugs”)
- Have no means of attachment

The ÆGIS Microbe Shield

Is bound to the product requiring the microbes to contact it

- Is affixed to the product surface
- Modifies the surface
- Is not consumed by microorganisms
- Mechanically interrupts (stabs) the cell wall
- Remains functional for the life of the product
- Will not create the environment for adaptative microorganisms

ægis
MICROBE SHIELD™