

Previously known as: MICROCHEM® by AlphaTec® 5000 - Model 103

High-visibility multi-layer chemical-protective suit, guarding against chemicals and biological hazards.

- **Specialized protection:** The AlphaTec® 5000 Ultrasonically Welded & Taped - Model 103 is a multi-layer protective suit, ensuring superb barrier protection against chemicals*, biological hazards and chemical warfare agents
- **Improved visibility:** This chemical-protective suit (usable as a HAZMAT suit by HAZMAT response teams) is designed with a highly visible orange color, for enhanced worker and workplace safety
- **Heightened defenses:** Its welded and taped seams also offer secure protection against liquids and particulates
- **Enhanced features:** Along with an elasticated hood, waist, ankles and outer cuffs, this protective suit features safety-enhancing dual-zip systems, a wear life-extending double zip enclosure and double cuffs, as well as comfortable knitted inner cuffs
- **Certified antistatic capabilities:** This full-body protection suit also satisfies EN 1149-5 antistatic standards

*CE Category III Type 3/4/5 protection



Industries

- Chemical
- Life Sciences
- Mining
- Fire and Rescue
- Energy
- Automotive Aftermarket
- Food Processing

Applications

- Contaminated Environments
- Chemical Handling
- Filling, blending and charging of raw materials
- Transferring liquids and solids
- Opening and draining pumps valves or lines
- Loading and unloading of process equipment
- Raw material sample collection
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of large pipes
- Unexpected leakages spills or other releases

KEY FEATURES & BENEFITS

- **Permeation barrier:** Chemical/biohazard/chemical warfare agent protection*
- **Highly visible orange color:** Enhanced worker and workplace safety
- **Double zip enclosure:** Extended wear life

*>480-minute breakthrough time against 14 of the 15 chemicals listed in EN ISO 6529

Technology



MICROCHEM™

Chemical Barrier Technology

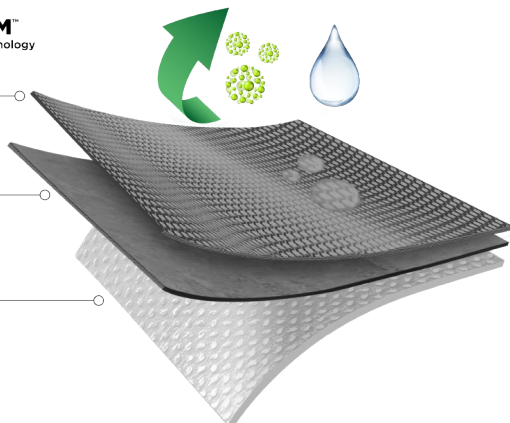
Material Diagram



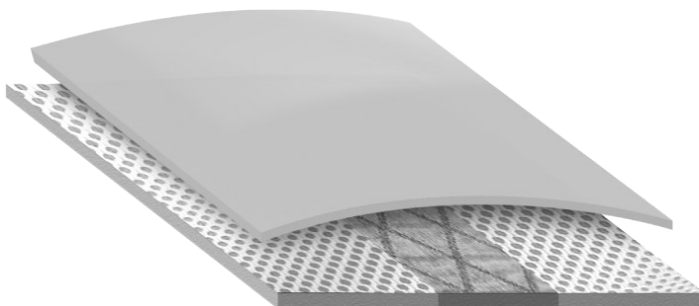
External film barrier layer

Core high barrier film layer

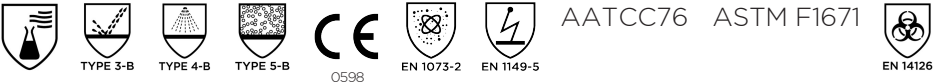
Non-woven inner layer



Seam Diagram



Performance Standards



Product Information

Product Information	
Available Sizes	S, M, L, XL, 2XL, 3XL, 4XL, 5XL
Color	Orange
Country Of Origin	China
Models Available	111, 122, 125-G02, 198
Packaging Overview	Individually Packed
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	5000 - Model 103
Standards Overview	CE CATEGORY III (Type 3-B, Type 4-B, Type 5-B, EN 1073-2, EN 14126, EN 1149-5)
Seam Type	Welded and Taped
Shelf Life	5 years
Style Number	O50T103

Suit components & accessories

Suit Components and Accessories	
Design Features	Coverall with collar, double zip closure, double cuffs with knitted inner cuff. Elasticated outer cuffs, waist and ankles.

For additional in formation visit us at www.ansell.com, or call us at

Europe, Middle East & Africa Region
Ansell Healthcare Europe NV
T: +32 (0) 2 528 74 00

North America Region
Ansell Healthcare Products LLC
T: +1 800 800 0444

Australia
Ansell Limited
T: +61 1800 337 041

Asia Pacific Region
Ansell Global Trading Center
T: +603 8310 6688

Latin America & Caribbean Region
Ansell Commercial Mexico S.A. de C.V.
T: +52 442 248 1544 / 248 3133

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