

Previously known as: MICROCHEM® by AlphaTec® 4000 - Model 103

## Heavy-duty multi-layer protective suit, tested against over 200 chemical hazards.

- **Specialized protection:** The AlphaTec® 4000 Ultrasonically Welded & Taped - Model 103 is an exceptional chemical-protective suit, permeation-tested against over 200 chemicals threats\*, including chemical warfare agents
- **Enhanced defenses:** This protective suit also features dual-zip systems and double cuffs, for even greater chemical defenses
- **Increased strength:** Designed with welded and taped seams, this full-body protection suit provides a robust barrier against wide-ranging hazards
- **Optimized comfort:** Wearer acceptance is also greatly facilitated by the inclusion of knitted inner cuffs and inner textile-type fabric
- **Improved fit:** An elasticated two-piece hood, waist and elasticated cuffs and ankles further facilitate donning and removing, for genuinely easy-to-use personal protection
- **Certified antistatic capabilities:** This protective suit is also tested against EN 1149-5 and AATCC 76 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 equipment

## KEY FEATURES & BENEFITS

- **Extensive permeation testing:** Resistance to wide-ranging chemicals\*
- **Dual-zip systems and double cuffs:** Enhanced wear life
- **Welded and taped seams:** Further enhanced heavy-duty barrier

\*including chemical warfare agents

## Technology



**MICROCHEM™**

Chemical Barrier Technology

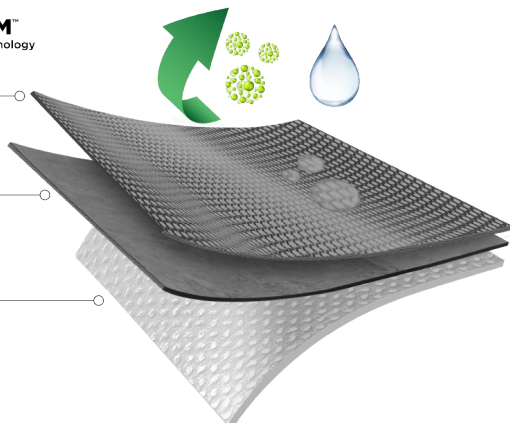
## Material Diagram



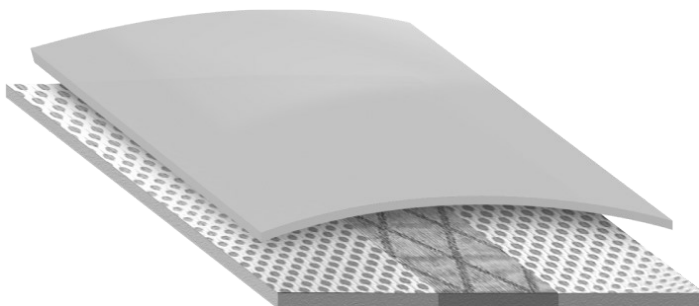
External film barrier layer

Core high barrier film layer

Non-woven inner layer



## Seam Diagram



Performance Standards

  
0598

  
TYPE 3-B

  
TYPE 4-B

  
TYPE 5-B

  
EN 1073-2

  
EN 1149-5

AATCC76

  
EN 14126

ASTM F1671

EN ISO 13688:2013

Product Information

Product Information	
Available Sizes	M, L, XL, 2XL, 3XL, 4XL
Color	Green
Country Of Origin	China, Sri Lanka
Models Available	111, 121, 122, 125,162
Packaging Overview	Individually packaged
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	4000 - 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	G40T103

Suit components & accessories

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

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