

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
- Oil and gas
- 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

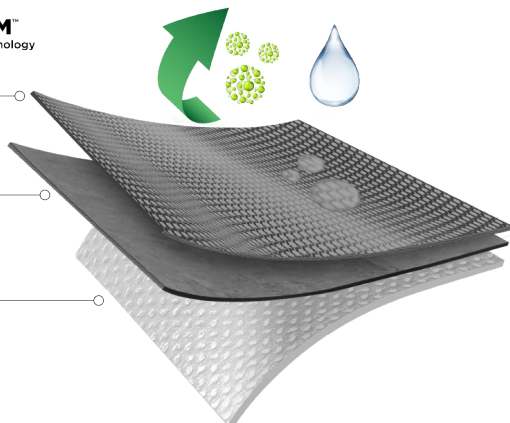
## Material Diagram



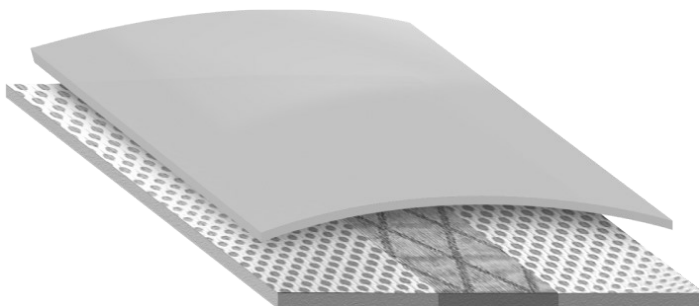
External film barrier layer

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 14126

  
AATCC76

  
ASTM F1671

Product Information

| Product Information |  |
|---------------------|--|
| Available Sizes     | M, L, XL, 2XL, 3XL, 4XL  |
| Color               | Green  |
| Country Of Origin   | China  |
| Models Available    | 111, 121, 122, 125, 132, 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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