

Previously known as: MICROCHEM® by AlphaTec® 4000 - Model 111

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

- **Specialized protection:** The AlphaTec® 4000 Ultrasonically Welded & Taped - Model 111 is a heavy-duty chemical-protective suit, permeation-tested to withstand over 200 chemical hazards\*, among which chemical warfare agents
- **Enhanced defenses:** This full-body protective suit also boasts double cuffs and dual-zip systems, further enhancing its defensive barrier
- **Increased strength:** Thanks to its taped and welded seams, this protective suit offers users a strong, dependable barrier against a variety of hazards
- **Optimized comfort:** Knitted inner cuffs and inner textile-type fabric facilitates wearer acceptance
- **Improved fit:** Its elasticated two-piece hood, waist, cuffs and ankles simplify the donning and removal process, for personal protection that is easy to wear
- **Certified antistatic capabilities:** This protective suit also meets EN 1149-5 and AATCC 76 antistatic standards

\*CE Category III Type 3/4/5 protection



## Industries

- Life Sciences
- Mining
- Fire and Rescue
- Energy
- Automotive Aftermarket
- Emergency Medical Services
- 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
- Raw material sample collection
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of equipment

## KEY FEATURES & BENEFITS

- ◊ **Intensive permeation testing:** Protection from varied chemicals\*
- ◊ **Double cuffs and dual-zip systems:** Extended wear life
- ◊ **Taped and welded seams:** Additional barrier defenses

\*including chemical warfare agents

## Technology



**ERGOFORM™**

Ergonomic Design Technology



**MICROCHEM™**

Chemical Barrier Technology

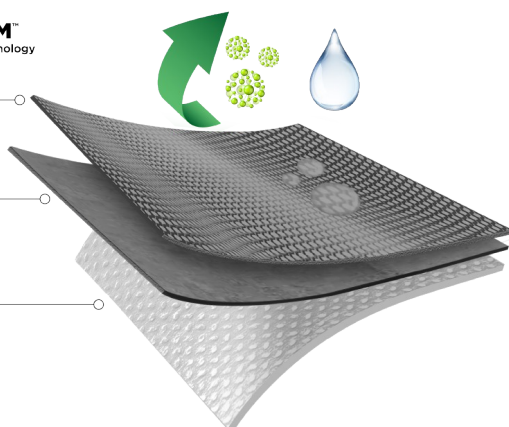
## Material Diagram



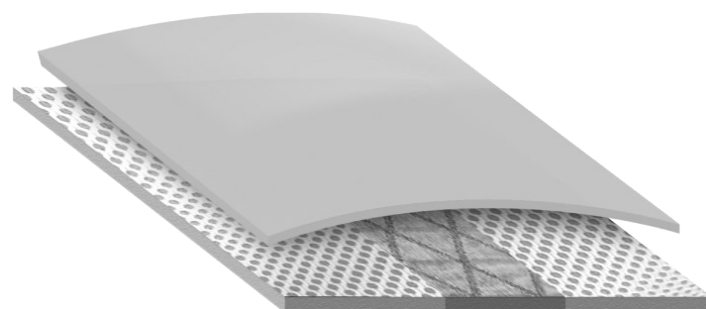
External film barrier layer

Core high barrier film layer

Non-woven inner layer



## Seam Diagram



## Performance Standards



EN ISO 13688:2013



AATCC76



ASTM F1671



## Product Information

| Product Information |                                                                                |
|---------------------|--------------------------------------------------------------------------------|
| Available Sizes     | S, M, L, XL, 2XL                                                               |
| Color               | Green                                                                          |
| Models Available    | 103, 121, 122, 125, 162                                                        |
| Packaging Overview  | Individually packaged                                                          |
| Product Material    | Multi-layer non-woven barrier Laminate fabric                                  |
| Product Reference   | 4000 Ultrasonically Welded & Taped - Model 111                                 |
| 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        | G40T111                                                                        |

Suit components & accessories

| Suit Components and Accessories |                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Design Features                 | Coverall, 2-piece hood, double zip closure, double cuffs with knitted inner cuff. Elasticated hood, waist, wrists and ankles. |

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