

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

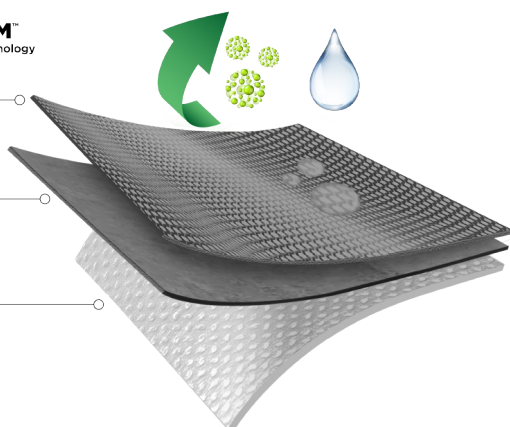
## Material Diagram



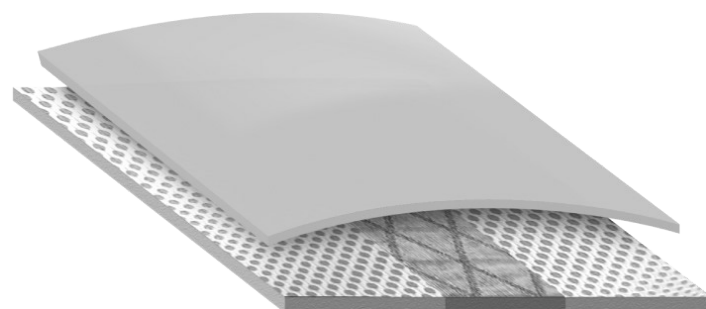
External film barrier layer

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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