

Previously known as: MICROCHEM® by AlphaTec® 4000 - Model 125-G05

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

- **Specialized protection:** The AlphaTec® 4000 Ultrasonically Welded & Taped - Model 125-G05 is a high-performance chemical-protective suit, tested for permeation against more than 200 chemicals\*, including chemical warfare agents
- **Enhanced defenses:** Its double cuffs and dual-zip systems further enhance this protective suit's protective barrier
- **Increased strength:** Thanks to its welded and taped seams, it is stronger and more robust than protective suits of a lower grade
- **Optimized comfort:** This AlphaTec® protective suit also features knitted inner cuffs and inner textile-type fabric, which improves comfort levels and results in greater wearer acceptance
- **Improved fit:** Thanks to its elasticated two-piece hood and waist, coupled with elasticated cuffs and ankles, donning and removal are made easy
- **Certified antistatic capabilities:** It is tested against EN 1149-5 and AATCC 76 antistatic standards

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



## Industries

- Chemical
- Fire and Rescue
- Oil and gas
- Life Sciences
- Mining
- 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 handling
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of equipment

## KEY FEATURES & BENEFITS

- **Extensive permeation testing:** Wide-ranging chemical resistance\*
- **Dual-zip systems and double cuffs:** Reinforced personal protection
- **Welded and taped seams:** For an even greater protective barrier

\*including chemical warfare agents

## Technology



**MICROCHEM™**  
Chemical Barrier Technology

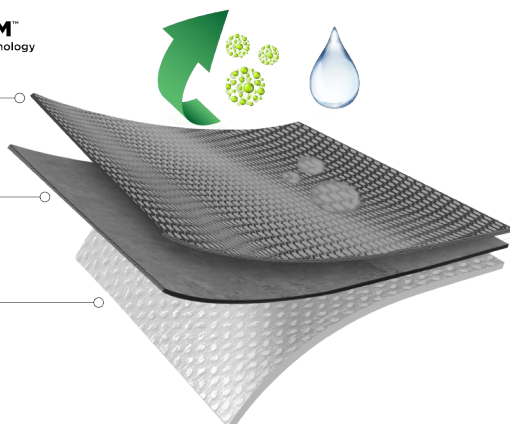
## Material Diagram



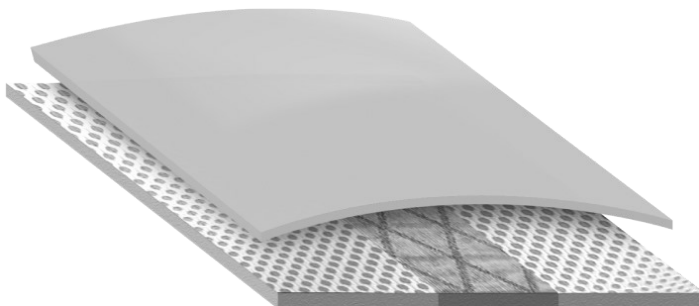
External film barrier layer

Core high barrier film layer

Non-woven inner layer



## Seam Diagram



Performance Standards

  
TYPE 3-B

  
TYPE 4-B

  
TYPE 5-B

  
TYPE 5-B

  
0598

  
EN 1073-2

  
EN 14126

AATCC76

  
EN 14126

ASTM F1671

EN ISO 13688:2013

NFPA 1992

Product Information

| Product Information |  |
|---------------------|--|
| Available Sizes     | S, M, L, XL, 2XL, 3XL, 4XL, 5XL  |
| Color               | Green  |
| Country Of Origin   | China  |
| Models Available    | 103, 111, 121, 122, 132, 162   |
| Packaging Overview  | Individually Packed  |
| Product Material    | Multi-layer non-woven barrier Laminate fabric                                  |
| Product Reference   | 4000 - Model 125-G05   |
| 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  |

Suit components & accessories

| Suit Components and Accessories |  |
|---------------------------------|--|
| Design Features                 | Coverall with 2-piece hood, double cuffs, double zip closure, elasticated hood, waist and boot overflaps. Integrated socks with boot overflaps and attached AlphaTec® 29-500 gloves. |

For additional information visit us at [www.ansell.com](http://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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