

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

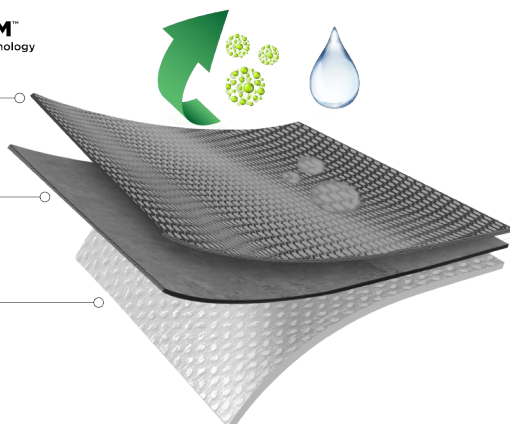
Material Diagram



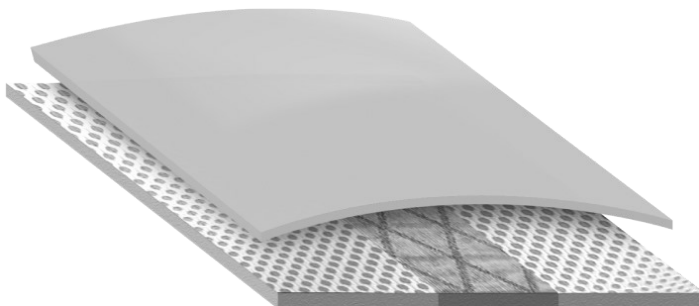
External film barrier layer

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.

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