

4000 - Model 122

Innovative multi-layer chemical barrier technology, Type 3/4/5 protection

Previously known as: MICROCHEM® 4000 - Model 122

Heavy-duty multi-layer protective suit, providing a barrier against over 200 chemicals.

- **Specialized protection:** The AlphaTec® 4000 Ultrasonically Welded & Taped - Model 122 is a full-body protection suit, permeation-tested to protect wearers from over 200 chemicals*, including chemical warfare agents
- **Enhanced defenses:** Designed with double cuffs and dual-zip systems, this protective suit provides a truly secure protective barrier
- **Increased strength:** Strength and robustness are further enhanced by this chemical-protective suit's welded and taped seams
- **Optimized comfort:** Thanks to its knitted inner cuffs and inner textile-type fabric, wearer comfort is also improved
- **Improved fit:** With an elasticated two-piece hood, as well as an elasticated waist, cuffs and ankles facilitating donning, removal and general everyday wear
- **Certified antistatic capabilities:** This AlphaTec® 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
- 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
- Loading and unloading of process equipment
- Raw material sample collection
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of equipment

KEY FEATURES & BENEFITS

- **Comprehensive permeation testing:** Extensive chemical resistance*
- **Dual-zip systems and double cuffs:** Further enhanced personal protection
- **Welded and taped seams:** For a solid, robust protective barrier

*including against chemical warfare agents

Technology



MICROCHEM™

Chemical Barrier Technology

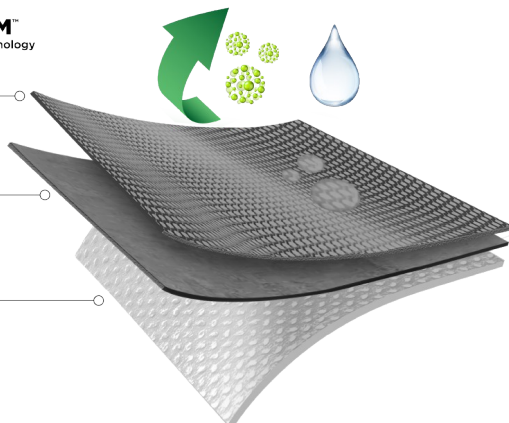
Material Diagram



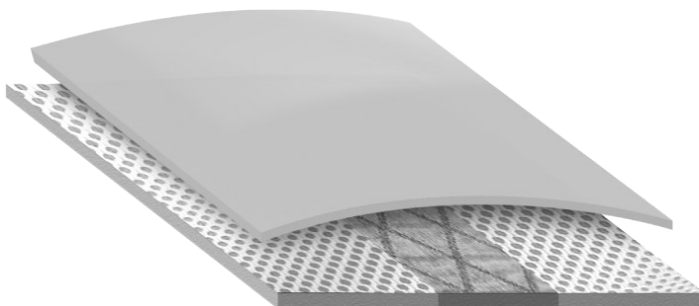
External film barrier layer

Core high barrier film layer

Non-woven inner layer



Seam Diagram



Performance Standards



EN ISO 13688:2013

0598



TYPE 3-B



TYPE 4-B



TYPE 5-B



EN 1073-2



EN 14126



EN 1149-5

NFPA 1992

Product Information

Product Information	
Available Sizes	S, M, L, XL, 2XL, 3XL, 4XL
Color	Green
Country Of Origin	China
Models Available	103, 111, 121, 125, 132, 162
Packaging Overview	Individually Packed
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	4000 - Model 122
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	G40T122

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.

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