

Previously known as: MICROCHEM® by AlphaTec® 5000 - Model 111

Multi-layer high-visibility chemical-protective suit, resistant to chemicals and biological hazards.

- **Specialized protection:** The AlphaTec® 5000 Ultrasonically Welded & Taped - Model 111 is a heavy-duty, multi-layer protective suit, highly resistant to chemicals*, biological hazards and chemical warfare agents
- **Improved visibility:** Also usable as a HAZMAT suit by HAZMAT response teams, this chemical-protective suit is bright orange in color, making it noticeable and enhancing worker and workplace safety
- **Heightened defenses:** Its taped and welded seams ensure robust defenses against particulates and liquids
- **Enhanced features:** This protective suit features an elasticated hood, waist, ankles and outer cuffs, as well as safety-boosting dual-zip systems, a wear life-extending double zip enclosure, double cuffs and comfort-enhancing knitted inner cuffs
- **Certified antistatic capabilities:** In addition, this full-body protection suit also satisfies EN 1149-5 antistatic standards

*CE Category III Type 3/4/5 protection



Industries

- Chemical
- Life Sciences
- Mining
- Fire and Rescue
- Oil and gas
- 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 proces equipment
- Raw material sample collection
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of large pipes
- Unexpected leakages spills or other releases

KEY FEATURES & BENEFITS

- **Permeation barrier:** Resists chemicals/biohazards/chemical warfare agents*
- **Highly visible orange color:** For greater worker and workplace safety
- **Double zip enclosure:** Enhanced wear life

*>480-minute breakthrough time against 14 of the 15 chemicals listed in EN ISO 6529

Technology



Material Diagram



Seam Diagram



Performance Standards



AATCC76



ASTM F1671

Product Information

Product Information	
Available Sizes	S, M, L, XL, 2XL, 3XL, 4XL, 5XL
Color	Orange
Country Of Origin	China
Models Available	103, 122, 125-G02, 198
Packaging Overview	Individually Packed
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	5000 - 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 años
Style Number	O50T111

Suit components & accessories

Suit Components and Accessories

Design Features

Overall with 2-piece hood, double zip closure, double cuffs with knitted inner cuff. Elasticated hood, outer cuffs, waist and ankles.

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