

## 5000 - Model 111

Durable, highly visible, multi-layer chemical barrier technology, Type 3/4/5 protection

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 process 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


  
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TYPE 3-B


  
TYPE 4-B

  
TYPE 5-B

  
EN 1073-2

  
EN 14126

  
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 years
Style Number	O50T111

Suit components & accessories

Suit Components and Accessories	
Design Features	Coverall with 2-piece hood, double zip closure, double cuffs with knitted inner cuff. Elasticated hood, outer cuffs, waist and ankles.

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