AlphaTec™

4000 Ultrasonically Welded & Taped - Model 111

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

Previously known as: MICROCHEM® by AlphaTec® 4000 - Model 111

Heavy-duty multi-layer protective suit, guarding against over 200 chemical hazards.



- **Specialized protection:** The AlphaTec™ 4000 Ultrasonically Welded & Taped - Model 111 is a heavy-duty chemical-protective suit, permeation-tested to withstand over 200 chemical hazards*, among which chemical warfare agents
- **Enhanced defenses:** This full-body protective suit also boasts double cuffs and dual-zip systems, further enhancing its defensive barrier
- **Increased strength:** Thanks to its taped and welded seams, this protective suit offers users a strong, dependable barrier against a variety of hazards
- **Optimized comfort:** Knitted inner cuffs and inner textile-type fabric facilitates wearer acceptance
- **Improved fit:** Its elasticated two-piece hood, waist, cuffs and ankles simplify the donning and removal process, for personal protection that is easy to wear
- **Certified antistatic capabilities:** This protective suit also meets EN 1149-5 and AATCC 76 antistatic standards

*CE Category III Type 3/4/5 protection

Industries

- Life Sciences
- Mining
- Fire and Rescue
- Energy
- 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
- Raw material sample collection
- Concentration mixing and palletisation
- Hazmat response
- Assembly and disassembly of equipment

KEY FEATURES & BENEFITS

- **Intensive permeation testing:** Protection from varied chemicals*
- **Double cuffs and dual-zip systems:** Extended wear life
- **Taped and welded seams:** Additional barrier defenses

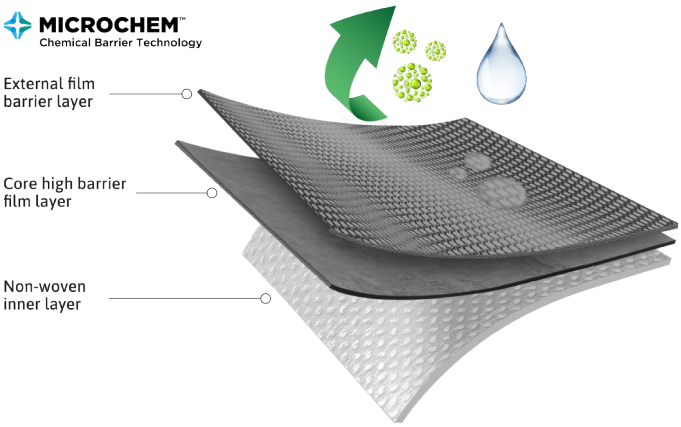
*including chemical warfare agents

Technology

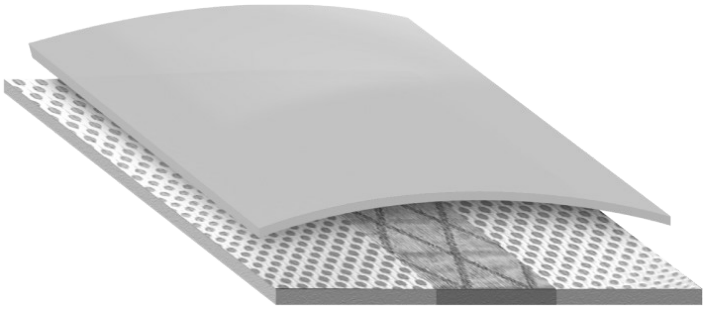
ERGOFORM™
Ergonomic Design Technology

MICROCHEM™
Chemical Barrier Technology

Material Diagram



Seam Diagram



Performance Standards



Product Information

Product Information	
Available Sizes	S, M, L, XL, 2XL, 3XL, 4XL, 5XL, 6XL, 7XL
Color	Green
Models Available	103, 121, 122, 125,162
Packaging Overview	Individually packaged
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	4000 Ultrasonically Welded & Taped - 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	G40T111

Suit components & accessories

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

For additional in formation visit us at 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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