

Previously known as: MICROCHEM 5000 APOLLO - Model 186-G02

## Fully encapsulated protective suit resistant to chemicals and biological hazards.

- **Specialized protection:** The AlphaTec® 5000 Ultrasonically Welded & Taped - Model 186-G02 is a liquid-tight, fully encapsulated chemical-protective suit, resistant to various chemicals\*, biological hazards and chemical warfare agents
- **Improved visibility:** An orange outer surface ensures this protective suit is highly visible, reducing workplace injuries
- **Heightened defenses:** Fully encapsulated, with a PVC multi-layer visor, it also features ultrasonically welded and taped seams, for outstanding barrier protection against liquids and particulates
- **Enhanced features:** In addition, it boasts a side-entry dual-zip system, a rear-mounted breathing apparatus (BA) pouch, and attached socks with static-dissipative soles and boot overflaps, as well as attached Ansell barrier gloves with no-drip cuffs
- **Increased ventilation:** In addition, it features rear-positioned exhalation valves and a bat wing design, which enables wearers to check the air gauge from within
- **Certified antistatic capabilities:** 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
- 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
- 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

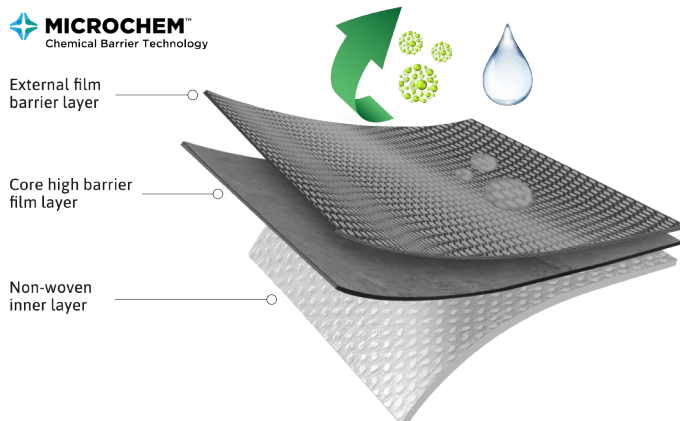
- **Permeation barrier:** Resists chemicals and biohazards\*
- **Highly visible orange color:** For better worker and workplace safety
- **Taped and welded seams:** Enhanced particulate and liquid resistance

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

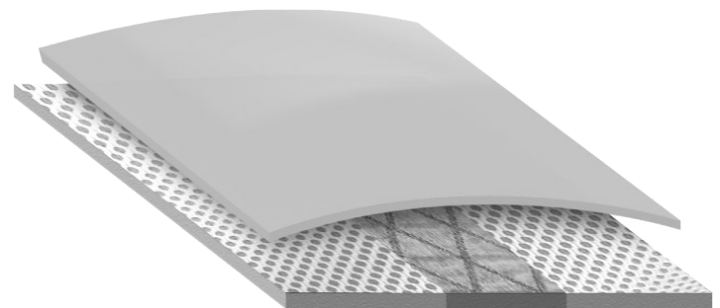
## Technology



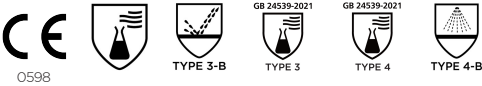
## Material Diagram



## Seam Diagram



Performance Standards



Product Information

Product Information	
Available Sizes	M, L, XL, 2XL, 3XL
Color	Orange
Country Of Origin	China
Packaging Overview	Individually Packed
Product Material	Multi-layer non-woven barrier Laminate fabric
Product Reference	5000 APOLLO - Model 186-G02
Standards Overview	CE CATEGORY III (Type 3-B, Type 4-B, EN 14126, EN 1149-5)
Seam Type	Welded and Taped
Shelf Life	5 years
Style Number	O50T186B

Suit components & accessories

Suit Components and Accessories	
Design Features	Side entry Double Zip flap, expanded back for internal wearing of self-contained breathing apparatus, rear positioned exhalation valves. Attached socks with static dissipative sole & leg overflap, attached Ansell Barrier Gloves with sleeve overflap, semi-rigid multi-layer visor and ultrasonically welded and taped seams.

For additional information visit us at [www.ansell.com](http://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

Ansell, ® and ™ are trademarks owned by Ansell Limited or one of its affiliates. US Patented and US and non-US Patents Pending: [www.ansell.com/patentmarking](http://www.ansell.com/patentmarking) © 2025 Ansell Limited. All Rights Reserved.

Neither this document nor any other statement made herein by or on behalf of Ansell should be construed as a warranty of merchantability or that any Ansell product is fit for a particular purpose. Ansell assumes no responsibility for the suitability or adequacy of an end user's selection of gloves for a specific application.

