

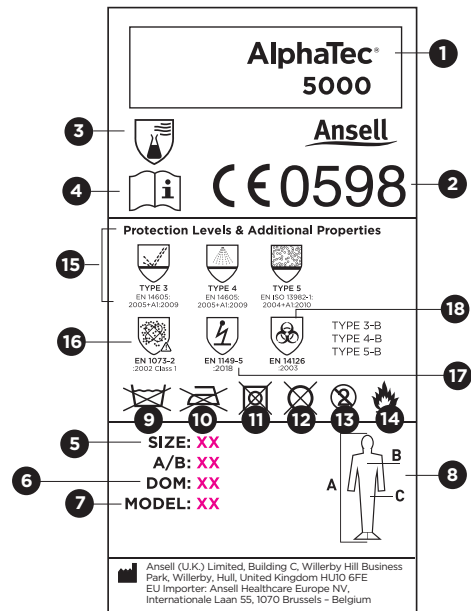
**マイクロケム®**

PUJP50S001

**BODY MEASUREMENTS (cm)**

Height (A)	Chest (B) Circumference	Waist (C) *	Garment Size
158 - 164	76 - 84	68 - 76	XS
164 - 170	84 - 92	76 - 84	S
170 - 176	92 - 100	84 - 92	M
176 - 182	100 - 108	92 - 100	L
182 - 188	108 - 116	100 - 108	XL
188 - 194	116 - 124	108 - 116	2XL
194 - 200	124 - 132	116 - 124	3XL
200 - 206	132 - 140	124 - 132	4XL
206 - 212	140 - 148	132 - 140	5XL
212 - 218	148 - 156	140 - 148	6XL
218 - 224	156 - 164	148 - 156	7XL

\* measurements for trousers only



GB

EU Declaration of Conformity available to download at [www.ansell.com/regulatory](http://www.ansell.com/regulatory)  
AlphaTec® 5000 formerly known as MICROCHEM® 5000

### Label Markings

1. Coverall manufacturer/brand name. 2. CE Marking. Confirms Category III approval by SGS Fimko. EU Regulation 2016/425 type examination conducted by SGS Fimko Oy, PO Box 30 (Särkiniementie 3), 00211 Helsinki, Finland. Notified Body No: 0598. 3. Limited life chemical protective clothing. 4. Read this instruction sheet before use. 5. Sizing 6. Month / Year of manufacture. 7. Model identification. 8. Sizing pictogram indicates body measurements 9. Do not wash. 10. Do not iron. 11. Do not tumble dry. 12. Do not dry clean. 13. Do not reuse 14. Flammable material. Keep away from fire.

### Protection Levels & Additional Properties

**15.** Full body protection "Types" achieved **16.** Overall tested to EN 1073-2 for barrier to radioactive particles. **17.** EN 1149-5 Fabric anti-statically treated and offers electrostatic protection when suitably grounded. **18.** Fabric tested to EN 14126 for barrier to infective agents.

Physical performance of AlphaTec® 5000 Fabric	EN Class*
EN 530 Abrasion	6 of 6
EN ISO 7854 Flex Cracking	3 of 6
EN ISO 9073-4 Tear Resistance	4 of 6
EN ISO 13934-1 Tensile Strength	3 of 6
EN 863 Puncture Resistance	2 of 6
EN 25978 Resistance to Blocking	Slight blocking
EN ISO 13935-2 Seam Strength	4 of 6

\*EN Class specified by EN 14325:2004. The higher the class number the better the performance.

## AlphaTec® 5000 Fabric Chemical Permeation Testing Results

Test Method	Chemical	Result	EN Class*
EN ISO 6529	Acetonitrile	>480 mins	6 of 6
EN ISO 6529	Dichloromethane	>10 mins	1 of 6
EN ISO 6529	Diethylamine	>480 mins	6 of 6
EN ISO 6529	n-Hexane	>480 mins	6 of 6
EN ISO 6529	Tetrahydrofuran	>480 mins	6 of 6

## AlphaTec® 5000 Fabric EN 14126:2003 Results

Test Method	EN Classification	Test Method	EN Classification
ISO 16603	Pass (20 kPa)	ISO 16604	Class 6 of 6
EN ISO 22610	Class 6 of 6	ISO/DIS 22611	Class 3 of 3
ISO 22612	Class 3 of 3		

## AlphaTec® 5000 Whole Suit Performance

Type 3 Jet Test	EN 14605:2005+A1:2009	Pass
Type 4: Spray Test	EN 14605:2005+A1:2009	Pass
Type 5: Particle Test	EN ISO 13982-1:2004 +A1:2010	Pass
	$L_{jmn}, 82/90 \leq 30\%$ and $L_s, 8/10 \leq 15\%$	
Δ Radioactive Particulates	EN 1073-2:2002**	Class 1
Electrostatic Properties	EN 1149-5:2018	Pass $t_{50} < 4$ s

\*\* Resistance to ignition is not tested as product already carries flammability warning.  
Note: Does not protect against ionizing radiation.

### Typical Areas of Use

AlphaTec® garments are designed to protect workers from hazardous substances or sensitive products and processes from contamination. They are typically used for protection against specific hazards dependent on the toxicity and exposure conditions. Refer to "Type" Protection levels & Additional Properties achieved.

### Limitations of Use

- Prior to use, review all instructions and inspect the clothing for any damage that could affect its protective function (e.g. holes, damaged seams and fastenings, heavily soiled areas). Replace any damaged clothing.
- Care should be taken when removing contaminated garments, so as not to contaminate the user with any hazardous substances. If garments are contaminated then decontamination procedures should be followed (i.e. decontamination shower) prior to removal of the garment.
- Upon contamination, wear or damage the garment should be removed and disposed of properly.
- The wearing of chemical protective clothing may cause heat stress if appropriate consideration is not given to the workplace environment. Appropriate undergarments should be considered to minimise heat stress or damage to your Ansell garment.
- Where Ansell products are used in conjunction with other PPE, and for full "Type" protection, it is necessary to tape cuffs to gloves, ankles to boots, the hood to the respiratory device (metal zipper can cause static discharge). The self-adhesive zip flap should also be used by peeling away the backing paper and pressing down securely, taking care to avoid creases or folds, after securing the zip flap additional tape should also be applied to allow for full type protection. If the tape is not dissipative, then the width should be kept below 50 mm (referring to the total tape applied in any one area) and the total thickness below 1.95 mm. When using this unhooded coverall with a separate hood, ensure the hood has an elasticated facial opening and a shoulder coverage of 10 cm that should be worn under the garment. The hood should be fully taped to the coverall.
- No garment provides complete protection against all chemicals or hazardous agents. The determination of suitability of Ansell products, whether alone or in combination with additional PPE for an application is the final responsibility of the user.
- Models with attached socks; the socks are designed to be worn inside chemical protective boots (sold separately) with the over flap positioned over the top of the boot opening. Attached socks or boots are unsuitable for walking or standing in chemical spills or pools of liquids. A grounding cable or suitable earthing solution must be used for models with attached socks.
- Slip retardant footwear offers limited resistance to slip, but will not eliminate completely the risk of slipping and/or falling, especially on wet surfaces. Ensure that socks or boots provide adequate mechanical resistance for the surface to be walked upon and that the sole is not damaged. Some materials used in over boots, overshoes or attached socks or boots are not for use in environments where there is a risk of slipping and/or falling.
- Models featuring silver retro-reflective tape for enhanced visibility; the product does not conform to EN ISO 20471.
- Models featuring finger loops; should only be used with a double glove system where the wearer puts the finger loop over the under-glove and the second glove is then worn over the garment sleeve.
- Warning - if present, hook and loop fasteners shall not be opened when operating in hazardous zones.

- The wearer and the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person's skin and earth shall be less than  $10^8 \Omega$ , e.g. by wearing adequate footwear on dissipative or conductive floors; use of a grounding cable, or by any other suitable means (knitted cuffs are not known to be dissipative so grounding cables should not be attached to this feature). • Electrostatic dissipative protective clothing shall not be open or removed whilst in presence of flammable or explosive atmospheres or while handling flammable or explosive substances; • Electrostatic dissipative protective clothing is intended to be worn in Zones 1, 2, 20, 21 and 22 (see EN 60079-10-1[7] and EN 60079-10-2[8]) in which the minimum ignition energy of any explosive atmosphere is not less than 0,016 mJ; • Electrostatic dissipative protective clothing shall not be used in oxygen enriched atmospheres, or in Zone 0 (see EN 60079-10-1[7]) without prior approval of the responsible safety engineer; • The Electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination; • Electrostatic dissipative protective clothing shall be worn in such a way that it permanently covers all non-complying materials during normal use (including bending movements).
- For models 151 and 151-GO2 with a rubber face seal, the seal is designed to fit more than one mask brand but it should be noted that the security of this seal is dependent on several factors including the size and model of the face mask, the size and shape of the wearer's head and the size and fit of the coverall. Type 3 testing conducted using MSA Ultra Elite mask.
- Model 152-GO2 with face seal S5502i is designed specifically for compatibility with Avon Protection FM53 full face respirator mask. Please refer to the Hood Seal Interface insert for full instructions on the S5502i face seal.
- Models which feature attached gloves; refer to the glove manufacturer's instructions for use provided with the gloves.
- Models including attached AlphaTec® 02-100 gloves must be worn with an antistatic outer glove e.g. the TouchNuff® 92-600 provided with it, for the EN 1149-5 approval to be valid. Other gloves may be added for mechanical protection. Any grounding cables should be attached to the main body of the suit. Contact Ansell for more information.
- Models which feature a pass-through to accommodate a fall arrest system; the employer is responsible for ensuring that any person working at height is fully informed regarding the correct use of PPE and fall arrest systems. It is recommended that prior to use, full training is given on the safe use and limitations by a competent person, with details of the training recorded. Refer to supplemental donning and doffing instructions supplied with these garments.

In the unlikely event of defects, do not wear the garment. Return the defective garment (unused and uncontaminated) to your distributor.

**Storage** – Do not store in excess heat or direct sunlight

**Disposal** – Dispose of garments according to local regulations.

For questions please contact the Ansell technical team. The manufacturer disclaims all warranties not specifically stated in the product packaging and is not responsible for the improper use of Ansell products.

Available in orange  
Models 111

# Ansell



For more information, visit: [www.ansell.com](http://www.ansell.com)

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