



chemsplash

Pro +4 Coverall

Type 4B/5B/6B

Style Code: **2597**



The Chemsplash Pro +4 is made from a 67gsm microporous laminated Cat III Type 4B, 5B & 6B fabric. All seams are taped offering a stronger more effective barrier to liquids and particulate.

Chemsplash Pro +4 fabric is both anti-static to EN1149-5: 2018 and is resistant to infectious agents to EN14126, complying with the highest resistance to viral and bacterial infection. This suit is an ideal choice for pharmaceutical, cleanroom, semi-conductor manufacturing and infection contamination control.

Features

- 67GSM Microporous Laminate Fabric
- Fully Taped Seams
- Three Piece Hood
- Elasticated Cuffs with Thumb Loops
- Elasticated Hood, Back & Ankles
- Two Way Zip with Zip Flap
- Silicone & Latex Free
- Low Linting
- Anti Static

Suitable Applications

- Agriculture
- General Paint Spraying
- Pharmaceutical Industries
- Medical
- Fibreglass Product Manufacturing
- Boat & Ship Building
- Mining
- Emergency Response

Colours Available

- White with Orange Taped Seams
- Blue Taped Seams also available for Special Order

Sizes in CMs

in compliance with EN340

Size	Height	Chest
S	160-165	89-93
M	163-168	93-98
L	167-172	101-106
XL	173-181	108-114
XXL	175-181	116-122
XXXL	185-190	124-130

Irradiated Version: Code: **2767**



TYPE 4B



TYPE 5B



TYPE 6B



NUCLEAR PARTICLE Class 2



Infective Agents

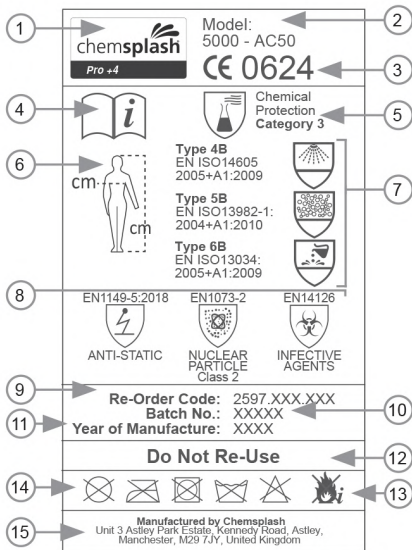


Anti-static



Performance of whole suit		
Test	Requirement	Result /Class/Conformity
Resistance to liquid penetration - Spray test type 4 (EN ISO 17491-4 met. A – EN 14605)		Pass
Resistance to liquid penetration - Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)		Pass
Resistance to aerosol penetration - Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)	IL _{82/90} ≤ 30%, TILS _{8/10} ≤ 15%	Pass
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)	TIL _{g%} 3, TIL _{A%} 2, Fpn 50	Class 2
Seams: permeation by liquids (EN ISO 6529 - EN14605)	Class 1: > 10 min	H ₂ SO ₄ 30% : Class 1
Seams: strength (EN ISO 13935-2)	Class 4: > 125 N	Class 4
Performance of fabric		
Test	Requirement	Result /Class/Conformity
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)	Class 3: < 1% Class 2: < 5% Class 1: < 10%	H ₂ SO ₄ 30%: class 3
		NaOH 10%: class 3
		o-xilene: class 3
		Butan-1-ol: class 3
Repellency to liquid (EN ISO 6530 – EN 13034)	Class 3: > 95% Class 2: > 90% Class 1: > 80	H ₂ SO ₄ 30%: class 3
		NaOH 10%: class 3
		o-xilene: class 2
		Butan-1-ol: class 3
Abrasion Resistance (EN 530 - method 2)	Class 3: > 500 cycles	Class 3
Trapezoidal tear resistance (EN ISO 9073-4)	Class 2: > 20 N	Class 2
Tensile strength (EN ISO 13934-1)	Class 1: > 30 N	Class 1
Puncture resistance (EN 863 - EN 13034)	Class 2: > 10 N	Class 2
Flex cracking resistance (EN 7854)	Class 6: > 100 000 c.	Class 6
Permeation by liquids (EN ISO 6529 - EN 14605)	Class 1: > 10 min	H ₂ SO ₄ 30% : Class 1
Ignition and flammability (EN 13274-4 - EN 1073-2)		Pass
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN 1149-1)	≤ 2.5 x 10 ⁹	Pass
EN 14126:2003		
Test	Requirement	Result /Class/Conformity
Bursting strength (13938-1)	Class 3: > 160 kPa	Class 3
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test - ISO 16603/16604	Class 4: 7 kPa	Class 4
Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids - ISO 22610 (test microorganism: staphylococcus aureus)	Class 6: t > 75	Class 6
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3: log > 5	Class 3
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	Class 3: ≤ 1	Class 3
EN ISO 13688:2013		
Test	Requirement	Result /Class/Conformity
pH (EN 340 – ISO 3071)	3.5 > pH > 9.5	Pass

Classification according to EN 14325



Garment Inside Label Markings

- Model Name – Chemsplash Pro +4
- Model Identification – Model 5000-AC50
- CE Marking – overall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by Centrocot Tessile Cotoniario, 21052 Busto Arsizio (VA), PZZA Sant'Anna, Z, Italy
- Indicates wearer should read the instructions for use
- Indicates compliance with European Standards for chemical protective clothing
- Sizing pictogram indicates to fit body measurements in sizes & correlation to letter code. Select the size to fit your body measurements
- Full body protection "types" achieved by this overall - defined by the European standards for chemical protective clothing:
 - EN ISO 14605 2005+A1:2009 (Type 4B)
 - EN ISO 13982-1:2004+A1:2010 (Type 5B)
 - EN 13034:2005+A1:2009 (Type 6B)
- Safety Standards:
 - Antistatic Protection (EN1149-5:2018)
 - Radioactive Contamination Protection (EN 1073-2:2002)
 - Protection Against Infective Agents (EN 14126:2003+AC:2004)
- Re-Order Code
- Batch Number
- Year of manufacture
- Do not re-use
- Flammable material – keep away from fire
- International care symbols:
- Manufacturer's Name and Address

Sizes in cm - in compliance with EN340

Size	S	M	L	XL	2XL	3XL
Height	160-165	163-168	167-172	173-181	175-181	185-190
Chest	89-93	93-98	101-106	108-114	116-122	124-130

Limitations

Exposition to certain chemicals or high concentrations may require higher barrier properties, either in terms of the performances of material or in the construction of the suit. Such areas can be protected by garments in type 1 to type 2. The user shall be the sole judge of the suitability for the type of protection required and the corrected combinations of coveralls and additional equipment.

Warnings

- Do not use if any defects are noticed (e.g. seam defects, faulty zip)
- Select the correct garment size
- Dressing correctly with a closed zip protected by the flap
- If necessary use additional devices with same characteristics (such as gloves, breathing apparatus, boots etc.) in order to provide for full body protection
- Coverall meets Ijmn, 82/90 ≤ 30% - Ls 8/10 ≤ 15%
- Wear for long periods of time can cause heat stress
- Heat stress and discomfort can be reduced or eliminated by using appropriate undergarments or suitable ventilation equipment
- In case of airborne solid particulates it is advisable to cover the zipper and to surround the extremity of the sleeves and the leggings with adhesive ribbon
- Coverallers are for single use only and must be disposed after any job
- If any breaking, punctures etc. occur, leave the working area and wear new coverall
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than 10⁹ Ω e.g. by wearing adequate footwear
- 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 shall not be used in oxygen enriched atmospheres without prior approval of responsible safety engineer

How to wear protective clothing

Remove the coveralls from its packaging, open the central zipper and wear. Fully close the zipper. In case of airborne solid particulates risk it is advisable to tape the zipper and protective gloves, tape the extremity of the sleeves and the leggings with adhesive ribbon, making sure that the sleeve covers the glove opening.

Storage and disposal

Garments can be stored in the original packaging in a dry place away from heat sources. Garments can be disposed of without harm to the environment. Restrictions to disposal result only from contamination during use. In this case dispose in compliance with applicable laws and regulations.

Donning and doffing

Take the coverall out of its bag and give it a good shake to loosen it out. Remove your footwear. Lower the zip on the coverall so that both stoppers are at the bottom of the zip. Pull the coverall on, legs first. Pull it up over your arms and shoulders. Do not zip it up. Do a squat or sit action to expel any air from the suit. Zip the coverall up to the desired length using the top stopper only and then lock the stopper in place by clicking it downwards into the zip. Remove the adhesive tape strip & firmly stick down the adhesive flap over the zip. Replace your footwear.

Declaration of Conformity available at:
www.chemsplash.com