



chemsplash®

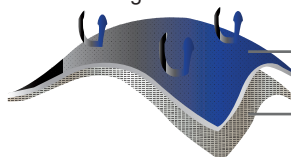
Pro +4 MAX Coverall

Type 4B/5B/6B

Style Code: **2597**

The Chemsplash Pro +4 Max is made from a 65 GSM microporous laminated Cat III Type 4B, 5B & 6B fabric. All seams are taped offering a stronger more effective barrier to liquids and particulates.

Chemsplash Pro +4 Max fabric is both anti-static to EN 1149-5: 2018 and is resistant to infectious agents to EN 14126, complying with the highest resistance to viral and bacterial infection. This suit is an ideal choice for Pharmaceutical, Medical & Cleanroom, semi-conductor manufacturing and infection contamination control.



Breathable
Microporous Film

Non-Woven
Polypropylene

Features

- 65 GSM Microporous Laminate Fabric
- Fully Taped Seams
- 3 Piece Hood
- Elasticated Cuffs with Thumb Loops
- Elasticated Hood, Back & Ankles
- Silicone and Latex Free
- Two Way Zip with Adhesive Zip Flap
- Low Linting Fabric & Anti-Static
- Does not contain: PFAS, RoHS, POP, TSCA or any Conflict Materials
- Complies with REACH Regulation (EC) 1907/2006 (+ SVHC list and Annex XVII)
- EN ISO 6530 Class 3 (IPA) liquid repellency & penetration

Suitable Applications

Petrochemical Industry
Agriculture
General Paint Spraying
Pharmaceutical Industries
Medical
Cleanrooms

Fibreglass Product Manufacturing
Crime Scene Investigation
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 EN ISO 13688

Size	Height	Chest
S	160-165	89-93
M	163-168	93-98
L	167-172	101-106
XL	173-178	108-114
XXL	176-181	116-122
XXXL	185-190	124-130

SCORES
TOP RESULTS
ON EN 14126
TESTS!

EN 14605:
2005+A1:2009



Type 4B

EN ISO 13982-1:
2004+A1:2010



Type 5B

EN 13034:
2005+A1:2009



Type 6B

EN 1149-5:2018



Anti-static

EN 14126:
2003+AC:2004



Infective
Agents

EN1073-2:2002



Nuclear
Particle
Class 1

ISO 14644-14:
2016
Cleanroom
Class 5 – 9



Packaging Details



x 1 Unit



x 25 Units / Carton



x 900 Units / Euro Pallet



x 1200 Units / Standard Pallet

Code: **2597**



Code: **2599**
with Feet Attached



Code: **2767**
With Sterile Irradiated



Code: **2597**

Style Code	Size	Carton (LxWxH) cm	Carton Weight	Product Barcode	Carton Barcode	Commodity Code
2597.400.004	S	32 x 42 x 32	5.1 kgs	5391526541708	05391529610777	6210109800
2597.400.005	M	32 x 42 x 32	5.4 kgs	5391526541715	05391529610784	6210109800
2597.400.006	L	32 x 42 x 32	5.7 kgs	5391526541722	05391529610791	6210109800
2597.400.007	XL	32 x 42 x 32	6.0 kgs	5391526541739	05391529610807	6210109800
2597.400.008	2XL	32 x 42 x 32	6.3 kgs	5391526541746	05391529610814	6210109800
2597.400.009	3XL	32 x 42 x 32	6.6 kgs	5391526541753	05391529610821	6210109800

Code: **2599 With Feet**

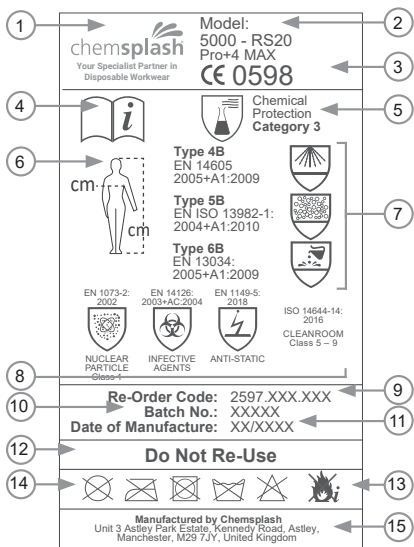
Style Code	Size	Carton (LxWxH) cm	Carton Weight	Product Barcode	Carton Barcode	Commodity Code
2599.400.004	S	32 x 42 x 32	5.1 kgs	5391535469505	05391535469512	6210109800
2599.400.005	M	32 x 42 x 32	5.4 kgs	5391535469529	05391535469536	6210109800
2599.400.006	L	32 x 42 x 32	5.7 kgs	5391535469543	05391535469550	6210109800
2599.400.007	XL	32 x 42 x 32	6.0 kgs	5391535469567	05391535469574	6210109800
2599.400.008	2XL	32 x 42 x 32	6.3 kgs	5391535469581	05391535469598	6210109800
2599.400.009	3XL	32 x 42 x 32	6.6 kgs	5391535469604	05391535469611	6210109800

Code: **2767 Sterile Irradiated**

Style Code	Size	Carton (LxWxH) cm	Carton Weight	Product Barcode	Carton Barcode	Commodity Code
2767.400.004	S	32 x 42 x 32	5.1 kgs	5391529614416	05391529614423	6210109800
2767.400.005	M	32 x 42 x 32	5.4 kgs	5391529614430	05391529614447	6210109800
2767.400.006	L	32 x 42 x 32	5.7 kgs	5391529614454	05391529614461	6210109800
2767.400.007	XL	32 x 42 x 32	6.0 kgs	5391529614478	05391529614485	6210109800
2767.400.008	2XL	32 x 42 x 32	6.3 kgs	5391529614492	05391529614508	6210109800
2767.400.009	3XL	32 x 42 x 32	6.6 kgs	5391529614515	05391529614522	6210109800



Performance of whole suit	Test	Requirement	Result /Class/Conformity	Classification System
Resistance to liquid penetration - Spray test type 4 (EN ISO 17491-4 met. A – EN 14605)			Pass	Pass / Fail
Resistance to liquid penetration Spray test type 6 (EN ISO 17491-4 met. A – EN 13034)			Pass	Pass / Fail
Resistance to aerosol penetration Inward leakage type 5 (EN ISO 13982-2 – EN ISO 13982)		$IL_{avg} \leq 30\%$, $TILS_{avg} \leq 15\%$	Pass	Pass / Fail
Nominal protection factor (EN ISO 13982-2 – EN 1073-2)		$TIL_{\%} \leq 30$, $TIL_{\%} \leq 20$, $F_{pn} \leq 5$	Class 1	Class 1 Low - 3 High
Practical performance tests (EN 1073-2)			Pass	Pass / Fail
Seams: strength (EN ISO 13935-2)		Class 3: > 75 N	Class 3	Class 1 Low - 6 High
Performance of fabric	Test	Requirement	Result /Class/Conformity	Classification System
Resistance to penetration to liquid (EN ISO 6530 – EN 13034)		Class 3: < 1% Class 2: < 5% Class 1: < 10%	H_2SO_4 30%: class 3	Class 0 = no protection Class 3 highest resistance NC = Not Classified
			NaOH 10%: class 3	
			o-xylene: class 3	
			Butan-1-ol: class 3	
			IPA: class 3	
Repellency to liquid (EN ISO 6530 – EN 13034)		Class 3: > 95% Class 2: > 90% Class 1: > 80%	H_2SO_4 30%: class 3	Class 0 = no protection Class 3 highest resistance NC = Not Classified
			NaOH 10%: class 3	
			o-xylene: class 2	
			Butan-1-ol: class 3	
Repellency to liquid (EN ISO 6530 – EN 13034)		Class 3: > 90% Class 2: > 80% Class 1: > 70%	IPA: class 3	Class 0 = no protection Class 3 highest resistance NC = Not Classified
Abrasion Resistance (EN 530 - method 2)		Class 5: > 1500 cycles	Class 5	Class 1 Low - 6 High
Trapezoidal tear resistance (EN ISO 9073-4)		Class 2: > 20 N	Class 2	Class 1 Low - 6 High
Trapezoidal tear resistance (EN ISO 9073-4 – EN 1073-2)		Class 3: > 20 N	Class 3	Class 1 Low - 6 High
Tensile strength (EN ISO 13934-1)		Class 2: > 60 N	Class 2	Class 1 Low - 6 High
Puncture resistance (EN 863 - EN 1073-2)		Class 2: > 10 N	Class 2	Class 1 Low - 6 High
Puncture resistance (EN 863 - EN 13034)		Class 2: > 10 N	Class 2	Class 1 Low - 6 High
Flex cracking resistance (EN 7854)		Class 6: > 100 000 c.	Class 6	Class 1 Low - 6 High
Blocking resistance (EN 25978 - EN 1073-2)			Pass	Pass / Fail
Ignition and flammability (EN 13274-4 - EN 1073-2)			Pass	Pass / Fail
Permeation by liquids (EN ISO 6529 - EN 14605)		Class 1: > 10 min	H_2SO_4 30% : Class 1	Class 1 Low - 6 High
Electric surface resistance (ANSI/ESD STM 2.1:2013 – test condition EN1149-5:2018)		$\leq 2.5 \times 10^9$	Pass	Pass / Fail
EN 14126:2003+AC:2004				
Test	Requirement	Result /Class/Conformity	Classification System	
Resistance to penetration by blood-borne pathogens - phi-x174 bacteriophage test - ISO 16603/16604	Class 6: 20 kPa	Class 6	Class 1 Low - 6 High	
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	Class 1 Low - 6 High	
Resistance to penetration by contaminated liquid aerosols - ISO DIS 22611 (test microorganism: staphylococcus aureus)	Class 3: log > 5	Class 3	Class 1 Low - 3 High	
Resistance to penetration by contaminated solid particles - EN ISO 22612 (test microorganism: spores of Bacillus subtilis)	Class 3: ≤ 1	Class 3	Class 1 Low - 3 High	
EN ISO 13688:2013+A1:2021				
Test	Requirement	Result /Class/Conformity	Classification System	
pH (EN ISO 13688 – ISO 3071)	3.5 > pH > 9.5	Pass	Pass / Fail	
Amines (EN ISO 13688 – ISO 3071)		Pass	Pass / Fail	
Classification according to EN 14325				
Fabric 65GSM is suitable for use in cleanrooms fulfilling the specification of air cleanliness ISO Class 5 - 9 (according to ISO 14644-14:2016).				



Garment Inside Label Markings

- Model Name – Chemsplash Pro +4 MAX
- Model Identification – Model 5000-RS20 code 2597,2767 & Model 5000-RSFT code 2599 with feet.
- CE Marking – overall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by SGS Fimko Ltd Takomitie 8, FI-00380 Helsinki, Finland.
- 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 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)
 - Cleanroom ISO Class 5 - 9 (ISO 14644-14:2016)
- Re-Order Code
- Batch Number
- Date of manufacture
- Do not re-use
- Flammable material – keep away from fire
- International care symbols:
 - ☒ Do Not Dry Clean
 - ☒ Do Not Iron
 - ☒ Do Not Tumble Dry
 - ☒ Do Not Wash
 - ☒ Do Not Bleach
- Manufacturer's Name and Address

Sizes in cm - in compliance with EN ISO 13688						
Size	S	M	L	XL	2XL	3XL
Height	160-165	163-168	167-172	173-178	176-181	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 Limn, 82/90 $\leq 30\%$ - Ls 8/10 $\leq 15\%$
- 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
- Coveralls 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 overall
- The person wearing the electrostatic dissipative protective clothing shall be properly earthed. The resistance between the person and the earth shall be less than $10^9 \Omega$ e.g. by wearing adequate footwear on dissipative or conductive floors;
- 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, 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;
- The 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);
- The 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.

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 must be stored in their original packaging in a dark, dry and cool place. Ideally at temperatures between -5 and 40 degrees centigrade. Garments should be disposed of without harm to the environment. Restrictions to disposal may result from contamination during use. In this case please dispose of in compliance with applicable laws and regulations.

Donning and doffing

Take the overall out of its bag and give it a good shake to loosen it out. Remove your footwear. Lower the zip on the overall so that both stoppers are at the bottom of the zip. Pull the overall 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 overall up to the desired length using the top stopper only and then lock the stopper in place by clicking it downwards into the zip. Firmly press down the adhesive tape then remove the strip, make sure the sticky part is left behind. Now press the adhesive flap over the zip and close the flap. Replace your footwear.

Shelf-life

Chemsplash Cat 111-Type 3, 4, 5 & 6 Coveralls and related Partial Body accessories are generally constructed from inert polymers that are not materially impacted by normal storage conditions. In unopened bags and cartons and in such conditions (-5°C to 40°C, dry and away from direct light) the expected shelf life can be approximately 10 years. Some discolouration of fabrics may occur over time, but this usually results from seepage of dyes and does not impact fabric performance. On occasion particular properties of some fabrics may alter over time. In particular anti-static properties result from a topical treatment which will degrade over time and in use.

It is crucial that all garments, regardless of age, but especially after a longer shelf life, are thoroughly checked for degradation or wear before use. Do not use any garment that appears inferior. It is always the end user's responsibility to ensure any garment is fit for purpose.

Declaration of Conformity available at:

www.chemsplash.com

CE guarantees the free circulation of products and goods within the European Union. CE-Marked product complies with the essential requirements of the European Regulation (EU) 2016/425.



legjobb
eredményeket
ért el az EN
14126
teszteken!

EN 14605:
2005+A1:2009



4B Típus

EN ISO 13982-1:
2004+A1:2010



5B Típus

EN 13034:
2005+A1:2009



6B Típus

EN 1149-5:2018



Antisztatikus

EN 14126:
2003+AC:2004



Fertőző
ágensek

EN1073-2:2002



Nukleáris
részecske
1. osztály

ISO 14644-14:
2016
Tisztatér
5–9. osztály



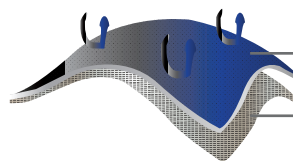
chemsplash®

Pro +4 MAX Overál 4B/5B/6B Típus

Modellkód: **2597**

A Chemsplash Pro +4 Max 65 GSM mikroporózus, laminált, III. kategóriájú, 4B, 5B és 6B típusú anyagból készült. Minden varrás ragasztott, így erősebb és hatékonyabb védelmet nyújt a folyadékokkal és részecskékkel szemben.

A Chemsplash Pro +4 Max anyag antisztatikus az EN 1149-5: 2018 szabvány szerint, és ellenáll a fertőző ágenseknek az EN 14126 szabvány szerint, megfigyelve a vírusos és bakteriális fertőzésekkel szembeni legmagasabb ellenállási követelményeknek. Ez a ruha ideális választás gyógyszeripari, orvosi és tisztatéri, félévezető-gyártási és fertőző szennyeződés-ellenőrzési célokra.



Lélegző
Mikroporózus fólia

Nem szőtt
Polipropilén

Jellemzők

- 65 GSM mikroporózus
- Laminált anyag
- Teljesen ragasztott varrások
- 3 részes kapucni
- Rugalmas mandzsetták hüvelykujjhurkokkal
- Rugalmas kapucni, hát és boka
- Kétirányú cipzár öntapadós cipzárfüllel
- Szőszmentes és antisztatikus anyag
- Szilikon- és latexmentes
- Nem tartalmaz: PFAS-t, RoHS-t, POP-t, TSCA-t vagy bármilyen konfliktusos anyagot
- Megfelel az 1907/2006/EK REACH rendeletnek (+ SVHC lista és XVII. melléklet)
- EN ISO 6530 3. osztály (IPA) folyadékkepergető és áthatoló képesség

Alkalmaskalmazások

Petrolkémiai ipar
Mezőgazdaság
Általános festékszórás
Gyógyszeripar
Orvostudomány
Tisztaterek

Üvegszálas termékek gyártása
Bűnügyi helyszínvizsgálat
Hajó- és hajóépítés
Bányászat
Vészhelyzet Válasz

Elérhető színek

	Fehér, narancssárga, ragasztott varrással
	Kék színű, ragasztott varrással is rendelhető

Méret CM-ben

az EN ISO 13688 szabványnak megfelelően

Méret	Magasság	Mellbőség
S	160-165	89-93
M	163-168	93-98
L	167-172	101-106
XL	173-178	108-114
XXL	176-181	116-122
XXXL	185-190	124-130