



Xtreme SMS 50 FR Coverall Type 5/6

Style Code: **2513**

The Chemsplash Xtreme SMS 50 Flame Retardant coverall is made from a breathable SMS fabric which has been chemically treated to offer limited flame retardant protection to EN14116 index 1 also meets CAT III Type 5 & 6.

This suit has elasticated hood, wrists, ankles, and a two way zip, with an adhesive zip cover.

Whilst being extremely comfortable to wear it's strong and robust properties provide an excellent chemical barrier and it is suitable to be worn over a primary EN531 flame retardant cotton based coverall without compromising the flame resistant properties of the EN531 garment.

NOTE: Disposable FR garments that meet EN 14116 or the predecessor standard, EN533:1997, should never be used as primary (sole) Flame Retardant protection.



Features

- 50GSM Breathable SMS Fabric
- 3 Pce Elasticated Hood
- Elasticated Wrists, Back and Ankles
- Two Way Zip
- Adhesive Zip Flap
- Anti-Static
- Silicone & Latex Free
- Flame Retardant to EN14116 Index 1
- Flame Retardancy Includes All Material Assemblies

Suitable Applications

Petrochemical Industries
Industrial Cleaning

Utilities
General Maintenance


Colours Available

White
Blue

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	173-178	108-114
XXL	178-181	116-122
XXXL	181-184	124-130

 **Sterile Irradiated**
Version available on request



TYPE 5



TYPE 6



NUCLEAR PARTICLE Class 2

EN 1149-5:2018



Anti-static

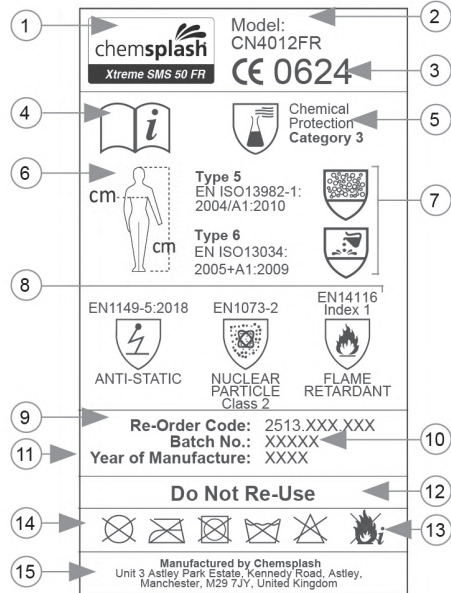
EN14116



Index 1



Performance of whole suit						
Test	Requirement	Result /Class/Conformity				
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)	$IL_{82/90} \leq 30\%$, $Ls_{8/10} \leq 15\%$	Pass				
Nominal protection factor (EN ISO 13982-2 - EN ISO 13982)		Class 2				
Seams: strength (EN ISO 13935-2)	$> 125\text{ N} < 300\text{ N}$	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: $< 10\%$	<table border="1"><tr><td>H₂SO₄ 30%:</td><td>class 3</td></tr><tr><td>NaOH 10%:</td><td>class 3</td></tr></table>	H ₂ SO ₄ 30%:	class 3	NaOH 10%:	class 3
H ₂ SO ₄ 30%:	class 3					
NaOH 10%:	class 3					
Repellency to liquid (EN ISO 6530 - EN 13034)	Class 3: $> 95\%$ Class 2: $> 90\%$ Class 1: > 80	<table border="1"><tr><td>H₂SO₄ 30%:</td><td>class 3</td></tr><tr><td>NaOH 10%:</td><td>class 3</td></tr></table>	H ₂ SO ₄ 30%:	class 3	NaOH 10%:	class 3
H ₂ SO ₄ 30%:	class 3					
NaOH 10%:	class 3					
Abrasion Resistance (EN 530 - method 2)	> 10 cycles	Class 1				
Trapezoidal tear resistance (EN ISO 9073-4)	$> 20\text{ N} < 40$	Class 2				
Tensile strength (EN ISO 13934-1)	$> 100\text{ N} < 250\text{ N}$	Class 3				
Puncture resistance (EN 863 - EN 1073-2 EN 13034)	$> 10\text{ N}$	Class 2				
Flex cracking resistance (EN 7854)	$> 100\ 000\text{ c.}$	Class 6				
Electric surface resistance (test condition EN 1149-1)	$\leq 2.5 \times 10^9$	Pass				
Limited Flame Spread (EN ISO 15025 met. A - EN ISO 14116)	Afterflame time: $< 2\text{ s}$ Afterglow time: $< 2\text{ s}$ Flame spread: none Debris: none Hole: yes	Pass Index 1				
pH (EN 340 - ISO 3071)	$3.5 > \text{pH} > 9.5$	Pass				



Garment Inside Label Markings

- Model Name – Chemsplash Xtreme SMS 50 FR
- Model Identification – Model CN4012FR
- CE Marking – coverall complies with requirements for category III personal protective equipment according to European legislation. Type-test & certification was issued by Centrocot Tessile Cottoniero, 21052 Busto Arsizio (VA), P.ZZA Sant'Anna, 2, 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 coverall defined by the European standards for chemical protective clothing:
EN ISO 13982-1:2004+A1:2010 (Type 5)
EN 13034:2005+A1:2009 (Type 6)
- Safety Standards:
 - Antistatic Protection (EN 1149-5:2008)
 - Radioactive Contamination Protection (EN 1073-2:2002)
 - Flame Retardant Clothing (EN 14116 Index 1)
- Re-Order Code
- Batch Number
- Year of manufacture
- Do not re-use
- Flammable material – keep away from fire
- International care symbols:

Sizes in cm - in compliance with EN340						
Size	S	M	L	XL	2XL	3XL
Height	160-165	163-168	167-172	173-178	178-181	181-184
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 is 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 $I_{jmn}, 82/90 \leq 30\%$ - $Ls 8/10 \leq 15\%$
- 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
- Coverall 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 $10^8 \Omega$ 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
- Index 1 coverall shall only be worn over indexes 2 or 3 garments. Material complies with ISO 14116 index 1 shall not be worn in contact with the skin.

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. Replace your footwear.

Declaration of Conformity available at:
www.chemsplash.com