chemsplash
Your Specialist Partner in Disposable Workwear
Xtreme SMS 55 FR

Xtreme SMS 55
Flame Retardant Coverall
Type 5/6

Style Code: **2513**

The Chemsplash Xtreme SMS 55 coverall is made from a breathable SMS fabric which has been chemically treated to offer limited flame retardant protection to EN 14116 index 1 also meets CAT III Type 5 & 6. This suit has elasticated hood, wrists, ankles, and a two way zip, with an adhesive flap 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 EN 11612 / EN 531 flame retardant cotton based coverall without compromising the flame resistant properties of the EN 11612 / EN 531 garment.

NOTE: Disposable FR garments that meet EN 14116 or the predecessor standard, EN 533:1997, should never be used as primary (sole) Flame Retardant protection.

EN ISO 13982-1: 2004+A1:2010
Type 5

EN 13034: 2005+A1:2009
Type 6

EN1149-5:2018
Anti-static

EN 1073-2:2002
Nuclear Particle Class 1

EN ISO 14116: 2015
Index 1

Blue Version

Features

- 55 GSM Breathable SMS Fabric
- 3 Piece Elasticated Hood
- Elasticated Wrists, Back and Ankles
- Two Way Zip & Adhesive Zip Flap
- Anti-Static
- Silicone and Latex Free
- Flame Retardant to EN14116 Index 1
- Flame Retardancy Includes All Material Assemblies
- Does not contain: PFAS, RoHS, POP, TSCA or any Conflict Materials
- Complies with REACH Regulation (EC) 1907/2006 (+ SVHC list and Annex XVII)

Suitable Applications

Oil & Petrochemicals Industries
Asbestos Related Work
Handling Powders
General Maintenance
Constructions
Industry Cleaning
Wood & Metal Processing
Touch-up Paint Spraying
Utilities
Ceramic Fibre

Colours Available

- White
- Blue

STERILE IRRADIATED Sterile Irradiated Version available on request

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
2XL	176-181	116-122
3XL	185-190	124-130
4XL	194-199	131-139
5XL	203-208	143-146

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 1
Seams: strength (EN ISO 13935-2)	>75N	Class 3
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_2SO_4 30%: class 3 NaOH 10%: class 3 o-xilene: n.a. Butan-1-ol: n.a.
Repellency to liquid (EN ISO 6530 – EN 13034)	Class 3: > 95% Class 2: > 90% Class 1: > 80%	H_2SO_4 30%: class 3 NaOH 10%: class 3 o-xilene: n.a. Butan-1-ol: n.a.
Abrasion Resistance (EN 530 - method 2)	Class 5 > 1500 cycles	Class 5
Trapezoidal tear resistance (EN ISO 9073-4)	Class 2 > 20 N	Class 2
Tensile strength (EN ISO 13934-1)	Class 2 > 60 N	Class 2
Puncture resistance (EN 863 - EN 1073-2 EN 13034)	Class 2 > 10 N	Class 2
Flex cracking resistance (EN 7854)	> 100 000 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: < 2s Afterglow time: <2s Flame spread: none Debris: none Hole: yes	Pass Index 1
pH (ISO 3071)	3.5 < pH < 9.5	Pass
Aromatic amines (Fabric - blue, red, orange, green) (EN 14362-1)		Pass
Composition of fabric		
SMS 100% Polypropylene With Flame Retardant Treatment	55 g/m²	

Classification according to EN 14325

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