



chemsplash®

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 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 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
- Elasticated Hood
- Elasticated Wrists, Back and Ankles
- Two Way Zip
- Adhesive Zip Flap
- Anti-Static
- Flame Retardant to EN14116 Index 1

Suitable Applications

- Petrochemical Industries
- Utilities
- Industrial Cleaning
- General Maintenance

Colours Available
White

Sizes in CMs in compliance with EN340		
Size	Height	Chest
S	165-172	80-92
M	167-176	92-100
L	174-181	100-108
XL	179-187	108-115
XXL	186-194	115-124
XXXL	193-201	124-128

 Irradiated Version available on request

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)	$IL_{50\%} \leq 30\%$, $LS_{50\%} \leq 15\%$	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><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><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				
Ignition and flammability (EN 13274-4)		Pass				
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 Droplets: none Hole: yes	Pass Index 1				
pH (EN 340 – ISO 3071)	$3.5 > \text{pH} > 9.5$	Pass				
Classification according to EN 14325						

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