

Technical Data Sheet



- Product Name:** ULTITEC 1800 coverall
- Description:** Disposable anti-static coverall with hood
- Product Code:** DD910
- Material:** Suit: SF53-WH/WH fabric
Zipper: Nylon on Polyester Braid
Elastic: Neoprene Rubber (latex free)
Thread: Polyester
Basic Weight: 53gsm
- Color:** White
- Approvals:** CE approved under PPE Directive (89/686/EEC), Category III
Article 10 Certification: SGS United Kingdom, LTD. Notified Body Number: 0120.
Article 11B Supervision: SGS United Kingdom, LTD. Notified Body Number: 0120
- Applications:** Asbestos Handling, Agriculture & Farming, Automotive, Biological Hazards, Chemical Handling, Clean Room, Electronics, Engineering, Hazardous Material, Military, Paint Spray, Printing.
- Sizing:** An appropriate size garment should be selected to allow sufficient movement for the task. Meet EN340 size guideline.

SIZE	CHEST		HEIGHT	
S	84 - 92 cms	33"-36"	162 - 170 cms	5'4"-5'6"
M	92 - 100 cms	36"-39"	170 - 176 cms	5'6"-5'9"
L	100 - 108 cms	39"-42"	176 - 182 cms	5'9"-6'0"
XL	108 - 116 cms	42"-45"	182 - 188 cms	6'0"-6'2"
XXL	116 - 124 cms	45"-48"	188 - 194 cms	6'2"-6'4"
XXXL	special larger sizes to order			

Performance:

The table below shows the performance of this product when tested under laboratory conditions. Please note that the tests may not reflect the reality of use and do not account for factors such as excessive heat and mechanical wear.

FABRIC PHYSICAL PROPERTIES	TEST METHOD	RESULT	CLASS
Abrasion Resistance	EN530	>10 cycles*	Class 1
Flex Cracking Resistance	ISO 7854 B	>5000cycles*	Class 3
Trapezoidal Tear Resist.	MD	>40N	Class 2
	CD	>20N	
Tensile Strength	MD	>60N	Class 1
	CD	>30N	
Puncture Resistance	EN863	>5N	Class 1
Seam Strength	ISO 13935-2	>150N	Class 5
Antistaticity	EN1149 - 5		Pass
pH Value	EN ISO 3071		Pass

Note * denotes visual endpoint

FABRIC CHEMICAL PROPERTIES	TEST METHOD	PENETRATION	REPELLENCY
Resistance to Chemical Penetration	EN6530		
Sulphuric Acid 30%		Class 3	Class 3
Sodium Hydroxide 10%		Class 3	Class 3

AGAINST INFECTIVE AGENTS (EN 14126)	TEST METHOD	RESULT	CLASS
Resistance to blood/fluids penetration	ISO 16603	Pass to 20kPa	Class 6
Resistance to blood borne pathogens pene	ISO 16604	at least 0kPa	Class 1
Resistance to wet bacterial penetration	ISO 22610	No penetration	Class 6
Resistance to biologically aerosols	ISO 22611	No penetration	Class 3
Resistance to dry microbial penetration	ISO 22612	No penetration	Class 3

WHOLE SUIT TEST PERFORMANCE	RESULT
Type 5 Inward Leakage Test method defined by EN ISO 13982-2:2004	Pass
Type 6 Low Level Spray Test method defined by EN ISO 17491-4:2008 Method:A	Pass
Protective clothing against radioactive materials as defined by EN1073-2:2002**	Class 1

Note ** exclusion: EN ISO 1073-2:2002 clause 4.2 requires puncture level class 2

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Referenced Standards:

Attribute	Standard	Title
General Requirements	EN 14325	Protective clothing against chemicals. Test methods and performance classification of chemical protective clothing materials, seams, joints and assemblages.
General Requirements	EN ISO 13982-1	Protective clothing for use against solid particulates. Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing).
General Requirements	EN 13034	Protective clothing against liquid chemicals. Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (type 6 and type PB [6] equipment).
Abrasion Resistance	EN 530	Abrasion resistance of protective clothing material.
Flex Cracking Resistance	ISO 7854 (Method B)	Rubber- or plastics-coated fabrics. Determination of resistance to damage by flexing.
Trapezoidal Tear Resistance	ISO 9073-4	Textiles. Test methods for nonwovens. Determination of tear resistance.
Tensile Strength	ISO 13934-1	Textiles. Tensile force.
Puncture Resistance	EN 863	Protective clothing. Mechanical properties. Test method: puncture resistance.
Repellence to Liquids	EN 6530	Protective clothing. Protection against liquid chemicals. Test method: resistance of materials to penetration by liquids.
Resistance to Penetration by Liquids	EN 6530	Protective clothing. Protection against liquid chemicals. Test method: resistance of materials to penetration by liquids.
Inward Leakage of Aerosols of Fine Particles	EN ISO 13982-2	Protective clothing for use against solid particulates. Test method: determination of inward leakage of aerosols of fine particles into suits.
Resistance to Penetration by Spray	EN 17491-4 Method:A	Protective clothing for use against liquid chemicals. Test method: determination of resistance to penetration by spray (Spray Test).
Resistance to Ignition	EN 13274-4 (Method 3)	Protective clothing. Personal protective ensembles for use against chemical, biological, radiological and nuclear (CBRN) agents. Categorization, performance requirements and test methods.
Seam Strength	ISO 13935-2	Textiles. Seam tensile properties of fabrics and made-up textile articles. Determination of maximum force to seam rupture using the grab method.
Surface Resistivity	EN 1149-5	Protective clothing – Electrostatic properties – Part 1: Test method for measurement of surface resistivity.

Use Limitations:

- Do not use for:
- Contact with heavy oils, sparks or flames, or combustible liquids.
 - Exposure situations resulting in spray or liquid buildup on the suit.
 - Environments with high mechanical risks (abrasions, tears, cuts).
 - Environments with exposure to hazardous substances beyond CE Type 5/6 certification.
 - Environments with conditions of excessive heat.

Storage and Disposal:

- Store in dry, clean conditions in original packaging.
- Store away from direct sunlight, sources of high temperature, and solvent vapors.
- Store within the temperature range -20°C to +25°C (-4°F to +68°F) and with relative humidity below 80%.
- Shelf life is 60 months from date of manufacture when stored as stated above.
- Replace garments if damaged, heavily contaminated or in accordance with local work practice.
- Handle and dispose of contaminated garments with care and in accordance with national regulations.



Do not wash



Do not clean dry



Flammable



Do not iron



Do not tumble dry

Packing:

- 1 piece per sealed PE bag
- 50 pieces per carton