

# Technical Data Sheet

- Product Name:** ULTITEC 2000 coverall
- Description:** Disposable anti-static coverall with hood
- Product Code:** DD31
- Material:** Suit: SF63E-HAS-WH/WH fabric  
Zipper: Nylon on Polyester Braid  
Elastic: Neoprene Rubber (latex free)  
Thread: Polyester  
Basic Weight: 63gsm
- 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	>100 cycles*	Class 2
Flex Cracking Resistance	ISO 7854 B	>40,000cycles*	Class 5
Trapezoidal Tear Resist.	MD	>40N	Class 1
	CD	>10N	
Tensile Strength	MD	>100N	Class 1
	CD	>30N	
Resistance to Ignition	EN13274-4		Pass
Puncture Resistance	EN863	>5N	Class 1**
Seam Strength	ISO 13935-2	>75N	Class 3
Burst Resistance	ISO 13938-1	184.1kPa	Class 3
Antistaticity	EN1149 - 5		Pass
pH Value	EN ISO 3071		Pass

Note \* denotes visual endpoint

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

FABRIC CHEMICAL PROPERTIES	TEST METHOD	PENETRATION	REPELLENCY
Resistance to Chemical Penetration	EN368		
Sulphuric acid 30%		Class 3	Class 3
Sodium Hydroxide 10%		Class 3	Class 3
Iso propanol		Class 3	Class 2

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
Performance of protective clothing against infective agents EN14126:2003		
ISO 16603:2004	ISO 16604:2004	ISO22611:2003
Class 6	Class 2	Class 3
		ISO 22612:2005
		Class 3
		ISO 22610:2006
		Class 6

# Technical Data Sheet

## Referenced Standards:

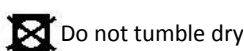
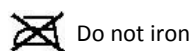
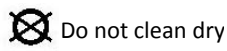
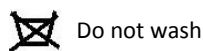
Attribute	Standard	Title
General Requirements	EN 14325	Protective clothing against chemicals. Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages.
General Requirements	EN ISO 13982-1	Protective clothing for use against solid particulates. 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 368	Protective clothing. Protection against liquid chemicals. Test method: resistance of materials to penetration by liquids.
Resistance to Penetration by Liquids	EN 368	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 15°C to +25°C (58°F to 78°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.
- Electrostatic properties may be decay by wear, tear, contamination and time. Double check before use the garment.
- Handle and dispose of contaminated garments with care and in accordance with national regulations.



## Packing:

- 1 piece per sealed PE bag
- 50 pieces per carton
- Carton size = 49cm(L) x 33cm(W) x 45cm(H)