

# Technical Data Sheet

- Product Name:** ULTITEC 3000T coverall
- Description:** Disposable anti-static coverall with hood
- Product Code:** DD41T
- Material:** Suit: SF63E-HAS-WH/WH fabric  
Zipper: Nylon on Polyester Braid  
Elastic: Neoprene Rubber (latex free)  
Thread: Polyester  
Tape: Nylon Tape  
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, Automotive, Biological Hazards, Chemical Handling, Clean Room, Decontamination, Disaster Management, Hazardous Material, Industrial Clean Up, Medical, Military, Oil Handling / Tank Cleaning, Paint Spray, Printing, Powder Coating, Pharmaceutical.
- 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 ISO 9073-4  | >40N           | Class 1 |
|                            | CD             | >10N           |         |
| Tensile Strength           | MD ISO 13934-1 | >100N          | Class 1 |
|                            | CD             | >30N           |         |
| Resistance to Ignition     | EN13274-4      |                | Pass    |
| Puncture Resistance        | EN863          | >5N **         | Class 1 |
| Seam Strength              | ISO 5082/A2    | >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 4  | Spray test method defined by EN ISO 14605+A1:2009 + EN468    | Pass           |
| Type 5  | EN ISO 13982-1+A1:2010 method defined by EN ISO 13982-2:2004 | Pass           |
| Protective clothing against radioactive materials as defined by EN1073-2:2002 |  | Class 2        |
| Performance of protective clothing against infective agents EN14126:2003      |  |                |
| ISO 16603:2004  | ISO 16604:2004   | ISO 22611:2003 |
| 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                         | EN14605               | Protective clothing against saturation of liquid chemical, where volume of the liquid builds up on the suit forming pools, resulting in rivulets. Requires a barrier fabric (chemical tests to EN369 Permeation test) and sealed seams. |
| 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:B   | 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 5: performance requirements.  |

### 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 4/5/6 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.

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
- Carton size = 49cm(L) x 33cm(W) x 45cm(H)