



ULTITEC 2000 Dust, Liquid Splash & Infective Agent Resistant Coverall

Designed to protect workers against liquid splash or particulate and biological agents. The most popular and widely applied choice in various industries.



TYPE 5-B



TYPE 6-B



EN 14126



EN 1073-2



EN 1149-5



DIN 32781

Breathability



Liquid Protection



Dry Particulate Protection



FEATURES

- **The premium microporous fabric offers an outstanding barrier against wide range of chemical liquids, blood, body-fluid and infective agents.**
Fully meets EN368, ASTM F1670 & EN14126. The performance also exceeds both WHO protective clothing specification option 1 & 2 for Ebola infection control. [Note*]
- **Protective suits against pesticides**
Meets DIN 32781 requirement on both protection and comfort in agriculture application.
- **Breathable & comfortable**
Fabric allows water-vapour transmission, which offers breathability to keep the wearer comfortable.
- **Low linting**
Reduces the risk of fiber contamination to the work environment.
- **Suitable for ISO class 6 and above cleanroom. [Note**]**

Note*: The WHO recommended specification for coveralls against filovirus disease issued in Oct, 2014 stated that healthcare workers should choose appropriate protective apparel, which meets the following two requirements:
option 1, tested for resistance to blood and body fluid penetration: meets or exceeds ISO 16603 class 3 exposure pressure.
option 2, tested for resistance to blood-borne pathogen penetration; meets or exceeds ISO 16604 class 2 exposure pressure.

Note**: ULTITEC 2000 coverall is suitable for both ISO 14644-1 and US FED-STD 209E cleanroom standard. Test result shown in the following table:

ISO 14644-1 Class	1	2	3	4	5	6	7	8	9
US FED-STD 209E	--	--	1	10	100	1,000	10,000	100,000	--
						✓	✓	✓	✓

SAURYA

Value Driven Safety

APPLICATION

Agriculture
Automotive
Biological Hazards
Disaster Management
Disease Control
Electronic Industries
Pharmaceutical (cleanroom)
Petrochemical
Painting

Zipper fasten
the edge of chin



3-piece hood



Elasticated wrists



Fully elasticated waist



Ample crotch



Elasticated ankles



Color ☐

PERFORMANCE CHART

FABRIC PHYSICAL PROPERTIES	TEST METHOD	CLASS
Abrasion Resistance	EN 530	2
Flex Cracking Resistance	ISO 7854	5
Trapezoidal Tear Resist.	ISO 9073-4	1
Tensile Strength	ISO 13934-1	1
Puncture Resistance	EN 863	1
Seam Strength	ISO 13935-2	3
Burst Resistance	ISO 13938-1	3
Antistaticity	EN 1149-5	Pass
pH Value	ISO 3071	Pass
Resistance to Ignition	EN 13274-4	Pass
Resistance to Water Penetration	EN 20811	> 2500 mm
Water Vapour Resistance [Ret]	ISO 11092	31.7 m ² *Pa/W

FABRIC CHEMICAL PROPERTIES	TEST METHOD	PENETRATION	REPELLENCY
Sulphuric acid 30%	EN 368	Class 3	Class 3
Sodium Hydroxide 10%	EN 368	Class 3	Class 3
Isopropanol	EN 368	Class 3	Class 2

AGAINST INFECTIVE AGENTS with EN 14126	TEST METHOD	CLASS
Resistance to penetration by blood / fluids	ISO 16603	6
Resistance to penetration by blood borne	ISO 16604	2
Resistance to wet bacterial penetration	ISO 22610	6
Resistance to biologically contaminated aerosol	ISO 22611	3
Resistance to dry microbial penetration	ISO 22612	3

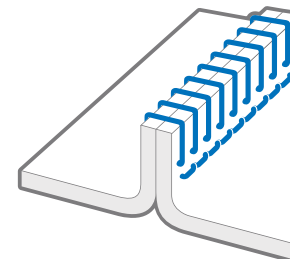
RESISTANCE TO PENETRATION BY PESTICIDES ACCORDING TO EN 14786	Sample 1	Sample 2	Sample 3	Sample 4
Betanal Expert	N.D	N.D	N.D	N.D
Folicur	N.D	0.22	N.D	N.D
Amistar	N.D	N.D	N.D	N.D
Pinimor Granulat	N.D	N.D	N.D	N.D
U46-D-Fluid	N.D	N.D	N.D	N.D

WHOLE SUIT TEST PERFORMANCE	RESULT
Type 5 Inward Leakage Test	Pass
Type 6 Low Level Spray Test	Pass
EN 1073-2 Protective Clothing Against Radioactive Contamination	Class 1

Seam Construction

4-thread overlocked seam

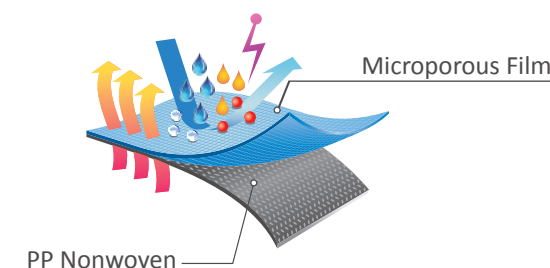
- 7-9 stitches per inch
- Heavier thread fibre is above 150D
- Bite depth at 4mm



Fabric Construction

Microporous film laminate PPSB

- MVTR is above 5000 gsm / 24hr (ASTM E96 BW)
- Hydro-head is above 2000 mm-H₂O (ISO 811)



LIQUID-PROOF ACCESSORIES (Type PB[6])

Hood



- Limited-use shoulder length hood with elasticated face
- OpeningNeoprene rubber (latex free)

Apron



- Limited-use apron with neck loopRear tie fastener

Lab Coat



Limited-use lab coat with collar
Neoprene rubber (latex free)

Sleeve Cover



- Limited-use sleeve cover with elasticated opening at each end
- Neoprene rubber (latex free)

Shoe cover/Shoe cover with sole



- Limited-use shoe cover with elasticated opening
- Anti-slip PVC sole design is optional
- Neoprene rubber (latex free)

Boot cover/Boot cover with sole



- Limited-use boot cover with elasticated opening and ankle
- Anti-slip PVC sole design is optional
- Neoprene rubber (latex free)

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Antistaticity	EN 1149-5	Pass
pH Value	ISO 3071	Pass
Resistance to Ignition	EN 13274-4	Pass

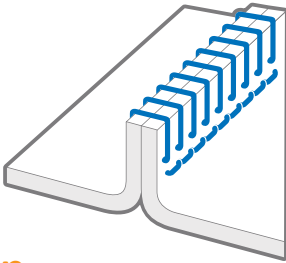
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Resistance to dry microbial penetration	ISO 22612	3

Seam Construction

4-thread overlocked seam

- 7-9 stitches per inch
- Heavier thread fibre is above 150D
- Bite depth at 4mm



Fabric Construction

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