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封面

ULTITEC 2000
Act without fear!

INSTRUCTIONS FOR USE

1 - - **ULTITEC 2000** DD310 - - 2

Manufactured by **DEREKDUCK INDUSTRIES CORP.**
9F. No. 70-1, Sec. 1, Chengde Rd., Taipei 10351, Taiwan

CE 0598 - - 3

EN ISO 13982-1:2004+A1: 2010 TYPE 5
EN 13034:2005+A1: 2009 TYPE 6 - - 4

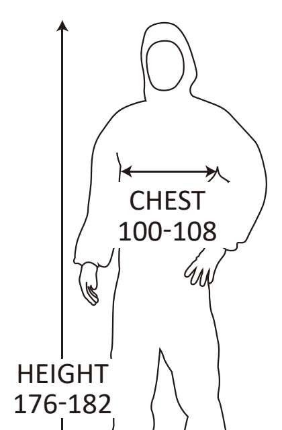
5 - -

6a - - EN 1149-5:2008

6b - - EN 1073-2:2002
TIL CLASS 1

6c - - EN 14126:2003
Type 5-B/6-B

6d - - DIN 32781:2010-08
CLASS 2



L - - 7

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9 - - - - 12

11 - - DoM: YYYY/MM
Made in China - - 10

Ver: 2 / Dec. 2019

DEREKDUCK INDUSTRIES CORP.
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ULTITEC 2000

Style No. DD310, DD320, DD330, DD340 — Chemical protective clothing of Category III

This garment complies with the requirements of Regulation EU 2016/425 and any referenced standard

Marking:
Each coverall is identified by an inside and an outside label. The inner label indicates the protective class as defined in the Regulation. It also gives other relevant information of use to the end user. The outer label identifies the type of garment.

1 Fabric type or Brand
2 Style number or Model identification
3 Coveralls comply with the requirements for Category III personal protective equipment according to European Regulation (EU) 2016/425. EU Type examination(Module B) and conformity to quality assurance certificates (Module D) were issued by SGS Fimko Oy., Takomotie 8, FI-00380 Helsinki, Finland, identified by the EC Notified Body number 0598
4 Type 5 Particle Tight Clothing EN ISO 13982-1:2004 + A1:2010 — Type 6 Limited Splash Tight Clothing EN 13034:2005 + A1:2009
5 This pictogramme shows that the suit is for protection against chemicals
6a ULTITEC 2000 coveralls are antistatically treated and comply to the electrostatic protection required by EN1149-5:2008 on inner face only, and must be used with compatible accessories and work practices tobe effective.(see note below)
6b This pictogramme and triangle indicate radioactive protection to EN 1073-2:2002 excluding clause 4.2 puncture resistance and resistance to blocking
6c The letter'-B' after Type number indicates that fabric used in this coverall has been tested and passed to EN14126:2003 protection against infective agents
6d This pictogramme shows the protective suits pass DIN 32781 against pesticides
7 Size Information: Please choose the appropriate size

size	S	M	L	XL	2XL	3XL	4XL
chest (cms)	84 - 92	92 - 100	100 - 108	108 - 116	116 - 124	124 - 132	132 - 140
height (cms)	162 - 170	170 - 176	176 - 182	182 - 188	188 - 194	194 - 200	200 - 206

8 Wearer should read these instructions
9 Care Pictogrammes: Do not wash, Do not machine dry, Do not iron, Do not dry clean
10 Do not reuse
11 Date of manufacture
12 **Additional Warning: Flammable material. Keep away from fire**

Compliance and Responsibility:
In order to fully meet the performance claims for Types 5/6 and EN 1073-2 garments, all opening such as wrists, ankles, neck to hood (collared style), face to mask, and including the zipper flap should be securely taped. The user shall be sole judge of the suitability for the type of protection required, and the correct combinations of coveralls accessories and ancillary equipment. To obtain full protection all apertures should be securely closed, but the user shall determine, and allow for the effect of heat when in use. Heat stress and discomfort can be reduced or eliminated by the use of appropriate undergarments or ventilation equipment. The manufacturer is not responsible for accidents caused by improper behavior or inappropriate selection of protective clothing or ancillary equipment.
Limitations:
Exposure to certain chemicals or high concentrations or pressures, may require higher barrier properties of the fabric, or in the construction of the suit. Such conditions can be protected by garments made to the standards of Types1 to 4 or possibly by a more protective material. Footwear appropriate to the intended use must be worn, especially where boots (or socks) are attached. The integral boot is to be worn inside the appropriate footwear, and the aperture at the top of the footwear taped to the leg of the coverall.
Garment Removal:
Care should be taken with the removal of any garment which may have been contaminated. The use of an assistant wearing PPE should be used to peel back the garment from the wearer, taking care that no contaminant comes into contact with either the assistant or the wearer.
Areas of Use:
These coveralls are designed for protection against hazardous substances and contamination of both product and personnel. They are typically used, dependent upon the severity of the toxicity and the conditions, for protection against airborne particles and limited splash and spray. The performance requirements applicable to this chemical protective clothing garment are covered by the standards listed above where there is a need for resistance to penetration by airborne solid particles including radioactive materials. In addition it is intended for use in cases of potential exposure to light spray liquid aerosols or low pressure volume splashes where a complete permeation barrier is not required.
Electrostatic Warnings:
Both the electrostatic dissipative clothing and the person wearing it shall be properly earthed. The resistance between the person and the earth shall be <10⁸ Ohms e.g. by wearing adequate footwear on dissipative or conductive floors. When wearing suits with integral boots, consideration should be given to the use of a grounding cable.
Electrostatic dissipative clothing shall not be opened or removed whilst in the presence of flammable or explosive atmospheres or while handling flammable or explosive substances. Electrostatic dissipative clothing shall not be used in oxygen enriched atmospheres or in zone 0 without the prior approval of the responsible safety engineer. The electrostatic dissipative performance of the electrostatic dissipative protective clothing can be affected by wear and tear, laundering and possible contamination.
Electrostatic dissipative protective clothing shall permanently cover all noncomplying materials during normal use. Including the zipper flap must be permanently and appropriately sealed. (Including bending and movements)
Storage and Disposal:
The garments should be stored in accordance with normal storage practice, preferably in the dark with no UV light exposure and disposed harmlessly to the environment. The inert polymers used ensure a long shelf life but it is recommended that items should be replaced after 5 years as the antistatic properties may reduce with age. Restrictions on the disposal depend solely on the contamination during use. If in doubt please contact your supplier. The manufacturer cannot accept responsibility for any improper use or disposal of garments produced by them.

PERFORMANCE CHART OF ULTITEC 2000

FABRIC PHYSICAL PROPERTIES BASED IN CLASSIFICATION IN EN 14325:2004		TEST METHOD	RESULT	CLASS
Abrasion Resistance		EN 530	>10 cycles*	Class 1
Flex Cracking Resistance		EN ISO 7854-B	>40,000 cycles*	Class 5
Trapezoidal Tear Resist.	MD CD	EN ISO 9073-4	>20N >10N	Class 1
Tensile Strength	MD CD	EN ISO 13934-1	>60N >30N	Class 1
Puncture Resistance		EN 863	>5N	Class 1**
Seam Strength		EN ISO 13935-2	>75N	Class 3
Antistaticity		EN 1149-5	Pass	
pH Value		EN ISO 3071	Pass	
Resistance to Ignition		EN 13274-4	Pass	
Resistance to Water Penetration		EN 20811	>2500 mm H_2O	
Water Vapour Resistance to Ignition		EN ISO 11092	31.7 m²*Pa/W	
Note * denotes visual endpoint Note ** exclusion: EN 1073-2:2002 clause 4.2 requires class 2				

FABRIC CHEMICAL PROPERTIES BASED IN CLASSIFICATION IN EN 14325:2004	TEST METHOD	RESULT	CLASS
Resistance to liquids penetration and repellency		PENETRATION	REPELLENCY
Sulphuric Acid 30%	EN ISO 6530	Class 3	Class 3
Sodium Hydroxide 10%	EN ISO 6530	Class 3	Class 3

FABRIC PERFORMANCE AGAINST INFECTIVE AGENTS IN EN 14126:2003

ISO 16603:2004	ISO 16604:2004	ISO/DIS 22611:2003	ISO 22612:2005	ISO 22610:2006
Class 6	Class 2	Class 3	Class 3	Class 6

FABRIC RESISTANCE TO PENETRATION BY PESTICIDES DIN 32781

	TEST METHOD	Sample 1	Sample 2	Sample 3	Sample 4
Betanal Expert	EN 14786	N.D	N.D	N.D	N.D
Folicur	EN 14786	N.D	0.22%	N.D	N.D
Amistar	EN 14786	N.D	N.D	N.D	N.D
Pinimor Granulat	EN 14786	N.D	N.D	N.D	N.D
U46-D-Fluid	EN 14786	N.D	N.D	N.D	N.D

WHOLE SUIT TEST PERFORMANCE

Type 5 EN ISO 13982-1:2004 Inward Leakage Test Test method defined by EN ISO 13982-2:2004 pass = $L_{jmn.82/90} \leqq 30\%$ and $L_{s.8/10} \leqq 15\%$	Pass
Type 6 EN 13034:2005 Low Level Spray Test Test method defined by EN ISO 17491-4:2008 Method:A	Pass
Protective clothing against radioactive materials Test method defined by EN 1073-2:2002 excluding clause 4.2 and resistance to blocking (not tested)	Class 1

A DECLARATION OF CONFORMITY PREPARED AND SIGNED BY THE MANUFACTURER CAN BE ACCESSED ON THE MANUFACTURER'S WEBSITE

English
简体中文

ULTITEC 2000

型号 DD310, DD320, DD330, DD340 — 第三类化学防护衣

此防护服遵守欧洲个人防护设备PPE指令 EU 2016/425 中关于化学防护服的要求以及任何参考标准

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