

ULTITEC 1000FR




Style No. DD410, DD430

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 enduser. 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 Regulation 2016/425 on personal protective equipment. Type examination (Module B) and conformity to quality assurance certificates (Module D) were issued by SGS United Kingdom Limited, Rossmore Business Park, Ellesmere Port, Cheshire CH65 3EN, Notified Body number 0120
- 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 pictogram shows that the suit is for protection against chemicals
- 6a  ULTITEC 1000FR coveralls are antistatically treated and comply to the electrostatic protection required by EN1149-5:2018, and must be used with compatible accessories and work practices to be effective (see note below)
- 6b  This pictogram and triangle indicate radioactive protection to EN 1073-2:2002 excluding clause 4.2 puncture resistance
- 7 Size Information:

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

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 Types 1 to 4 or possibly by a more protective material.

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 and flame retardant. 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 10^8 ohms e.g. by wearing adequate footwear on dissipative or conductive floors.

This electrostatic dissipative garment may be earthed either directly (e.g. grounding cable) or via the body of the earthed wearer and whereby electrostatic continuity between the skin and the index 1 outer garment is continuously maintained via suitable index 2 or 3 under clothing.

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 is intended to be worn in Zones 1, 2, 20, 21 & 22. (see EN 60079-10-1[7] and EN 60079-10-2[8]) in which the minimum ignition energy of any explosive of atmosphere is not less than 0.016mJ. Electrostatic dissipative clothing shall not be used in oxygen enriched atmospheres or in zone 0 without the prior approval of the responsible safety engineer (see EN 60079-10-1[7]).

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).

Flammability:

These coveralls are constructed from a fire retardant fabric which offers limited flame spread protection to Index 1 of the standard EN ISO 14116. Index 1 will melt and form holes and does not offer the thermal barrier of a Index 2/3 garment. These coveralls must always be worn on top of Index 2/3 garments and balaclavas and must never come into direct contact with the skin. It should also be noted that the thread, elastic and zipper are not made from fire retardant materials and may burn or melt if exposed to direct heat or flame. This is not a test of the whole garment.

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 1000FR

FABRIC PHYSICAL PROPERTIES BASED IN CLASSIFICATION IN EN 14325:2018	TEST METHOD	RESULT	CLASS
Abrasion Resistance	EN ISO 12947-2	>40 cycles	Class 2
Flex Cracking Resistance	EN ISO 7854-B	>50,000cycles	Class 6
Trapezoidal Tear Resist.	MD CD EN ISO 9073-4	>40N >20N	Class 2
Tensile Strength	MD CD EN ISO 13934-1	>100N >30N	Class 1
Puncture Resistance	EN 863	>5 N	Class 1
Seam Strength	EN ISO 13935-2	>75N	Class 3
Antistaticity	EN 1149-5	Pass	
pH Value	EN ISO 3071	Pass	
AZO Colourants	EN 14362-1	Pass	
Colour Fastness to Perspiration	EN ISO 105-E04	Pass	
Limited Flame Spread	EN ISO 15025	Index 1	
RESISTANCE TO REPELLENCY AND PENETRATION BASED IN CLASSIFICATION IN EN 14325:2004	TEST METHOD	PENETRATION	REPELLENCY
Sulphuric Acid 30%	EN ISO 6530	Class 3	Class 3
Sodium Hydroxide 10%	EN ISO 6530	Class 3	Class 3
WHOLE SUIT TEST PERFORMANCE			
Type 5 EN ISO 13982-1:2004 Inward Leakage Test Test method: EN ISO 13982-2:2004 pass = $L_{min,82/90} \leq 30\%$ and $L_{s,810} \leq 15\%$			Pass
Type 6 EN 13034:2005 Low Level Spray Test Test method: EN ISO 17491-4:2008 Method:A Protective clothing against radioactive materials Test method: EN 1073-2:2002 excluding clause 4.2 puncture resistance			Class 1

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




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DD410


Manufactured by DEREKDUCK INDUSTRIES CORP.
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UK
CA 0120

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

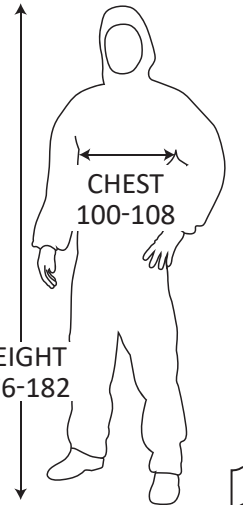


EN 1149-5:2018



EN 1073-2:2002
TIL CLASS 1


L




CHEST
100-108

HEIGHT
176-182

DoM: YYYY/MM
Made in China





Ver: 1 / Feb. 2023

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