

SC1 SPLASH CONTAMINATION SUIT

CHEMPROTEX™ 300



RESPIREX™

Fire Brigades

Nuclear

Petrochemical

Military

Civil Defence

Shipping

Industrial Cleaning

The SC1 in Chemprotex™ 300 is a single use, Type 3 splash contamination suit designed for use with breathing apparatus worn outside the suit or with a face mask and filter.

The garment is CE certified to EN14605:2005 and is intended for use in areas that are not immediately dangerous to life or health.

- One-piece construction
- Integral hood with neoprene rubber face grommet to seal around the wearer's face mask
- 91cm (36") Nylon zip fitted across the shoulders in rear of suit, with double external zip flaps with a self adhesive tape closure
- Chemically protective laminated glove welded to the suit material
- Integral socks in the same Chemprotex™ 300 material as the suit with plain outer leg allowing the wearing of customer's own boots. (Boots not included)

Accessories

- Hazmax™ Boots
- Hazbag

Certification:



TYPE 3
EN14605:2005+A1:2009
Liquid-Tight Chemical
Protective Clothing



TYPE 4
EN14605:2005+A1:2009
Spray-Tight Chemical
Protective Clothing



TYPE 5
EN13982-1:2004+A1:2010
Particulate Protective
Clothing



TYPE 6
EN13034:2005+A1:2009
Limited Spray-Tight
Chemical Protective
Clothing



IL: Class 1
EN 1073-2:2002
Radioactive Particulate
Protective Clothing



EN 1149-5:2008
Antistatic Protective
Clothing



EN14126:2003
Protective clothing
against infective agents

Materials Resistance



FINABEL 0.7.C
Chemical Warfare Agents

PermaSURE® Toxicity Modeller



The PermaSURE® app provides toxicity modelling for the SC1 suit for over 4,000 common chemicals. This can provide an assessment of the maximum safe working time based on the chemical, the extent of exposure and the actual suit temperature.

For a time limited trial of PermaSure® please contact Respirex for a username and password.

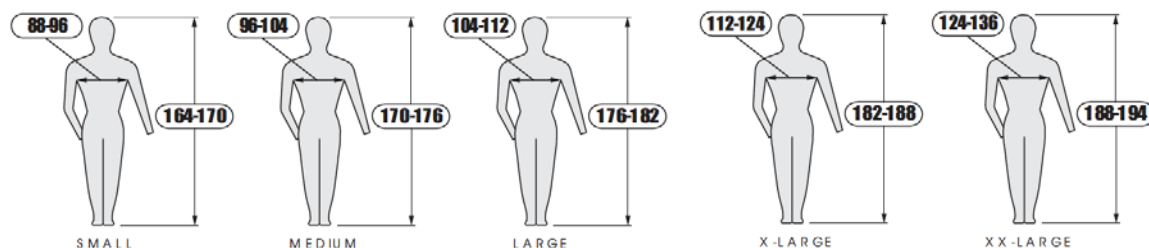


Single Use
Type 3 Suits

SC1 SPLASH CONTAMINATION SUIT

CHEMPROTEX™ 300

Sizing



Performance Requirements Of Materials

Tested In Accordance With	Performance Requirement	Level Of Performance	Class
EN 530:1994 Method 2	Abrasion Resistance	2,000 cycles	6
EN ISO 7854:1997 Method B	Flex Cracking Resistance (visual assessment)	1,000 cycles - Pass 2,500 cycles - Fail	1
EN 863:1995	Puncture Resistance	13.6 Newtons	2
EN ISO 9073-4:1997	Trapezoidal Tear Resistance	Length 76.3 Newtons Width 53.1 Newtons	3
EN ISO 13934-1:1999	Tensile strength	Length 159.1 Newtons Width 92.5 Newtons	2
EN 13274-4:2001 Method 3 (single burner test)	Resistance to ignition	No part ignited or continued to burn on removal from the flame	Pass
EN 25978:1993	Resistance to blocking	Slight blocking	2
EN 374-3:2003	Permeation Resistance when tested against 96% Sulphuric acid	>480 min	6
EN ISO 13935-2:1999	Seam Strength	166.8 Newtons	4
EN 1149-1:2006	Surface resistance**	Face $3.6 \times 10^8 \Omega$ Reverse $3.4 \times 10^7 \Omega$	-

* Chemprotex™ 300 meets the resistance to ignition requirements of EN14325:2004 but is not flame resistant. PPE manufactured from Chemprotex™ 300 should not be worn in potentially flammable or explosive environments.

** Anti-static properties are not claimed for all PPE manufactured from Chemprotex™ 300. Please refer to the specific user instructions supplied with each product for detailed performance information. Regardless of the anti-static properties of any suit materials, it is the responsibility of the end-user to ensure that their working practices (e.g. grounding) achieve dissipation of any static charges which may build up on the suit during use.

Chemical Warfare Agent Protection

Agent	Breakthrough time (hours)	Temperature (°C)
Mustard agent (HD)	>48	37
Sarin (GB)	>48	37
Soman (GD)	>48	37
VX	>48	37

The Chemprotex™ 300 material has been tested for resistance to permeation by chemical warfare agents in accordance with FI-NABEL O.7.C methods at the respected TNO laboratories. Both the material and seams were found to offer an extremely high level of protection against the following agents:

Resistance to penetration by Infective Agents

The material has passed the requirements of EN14126:2003 for protective clothing against infective agents. It is therefore suitable to provide protection against blood, blood-borne pathogens, body fluids, biologically contaminated aerosols and both wet and dry microbial penetration.

Tested According To	Requirement	Level of Performance	EN14126:2003 Class
ISO 22610:2006	Resistance to wet microbial penetration	> 75 min	6
ISO 16603:2004	Resistance to penetration by blood and body fluids using synthetic blood	Pass	N/A
ISO 16604:2004	Resistance to penetration by blood-borne pathogens using bacteriophage Phi-X174	20 kPa	6
ISO/DIS 22611:2003	Resistance to penetration by biologically contaminated aerosols	Log > 5	3
ISO 22612:2005	Resistance to dry microbial penetration	<1 Log cfu	3

Permeation

For details of the chemical permeation performance of Chemprotex™ 300 please refer to the separate Chemprotex™ 300 brochure.

Specifications, configurations and colours are subject to change without notice.