

SC1 REUSABLE SPLASH SUIT

REUSABLE CHEMICAL PROTECTIVE WORKWEAR



RESPIREX™

Description

The Respirex SC1 is a reusable **Type 3** splash contamination suit designed for Self Contained Breathing Apparatus (SCBA) worn externally.

The Reusable SC1 is designed to be **laundered in commercial washing machines** (see user instructions for laundering guidelines), ensuring a **lower overall lifetime cost of ownership** than the equivalent number of single use garments.

Applications



Fire
Brigades



Civil
Defence



Petro-
Chemical



Certification



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



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

Product Documentation



The CE Certificate, Declaration of Conformity and user instructions can all be downloaded from the product page on the Respirex website, links are in the downloads tab.

Fabrics

- Viton®/Butyl/Viton® (VBV) - Orange
- Viton®/Butyl/Polyester (VBP) - Yellow
- Butyl - Olive
- Neoprene - Yellow or fluorescent orange (*yellow Neoprene pictured above*)
- PVC - Yellow or Green

A garment's resistance to chemical permeation depends on the material selected. A selection of common industrial chemicals is shown on page 3, but for the full list please check the Respirex permeation guide - visit www.respirex.com

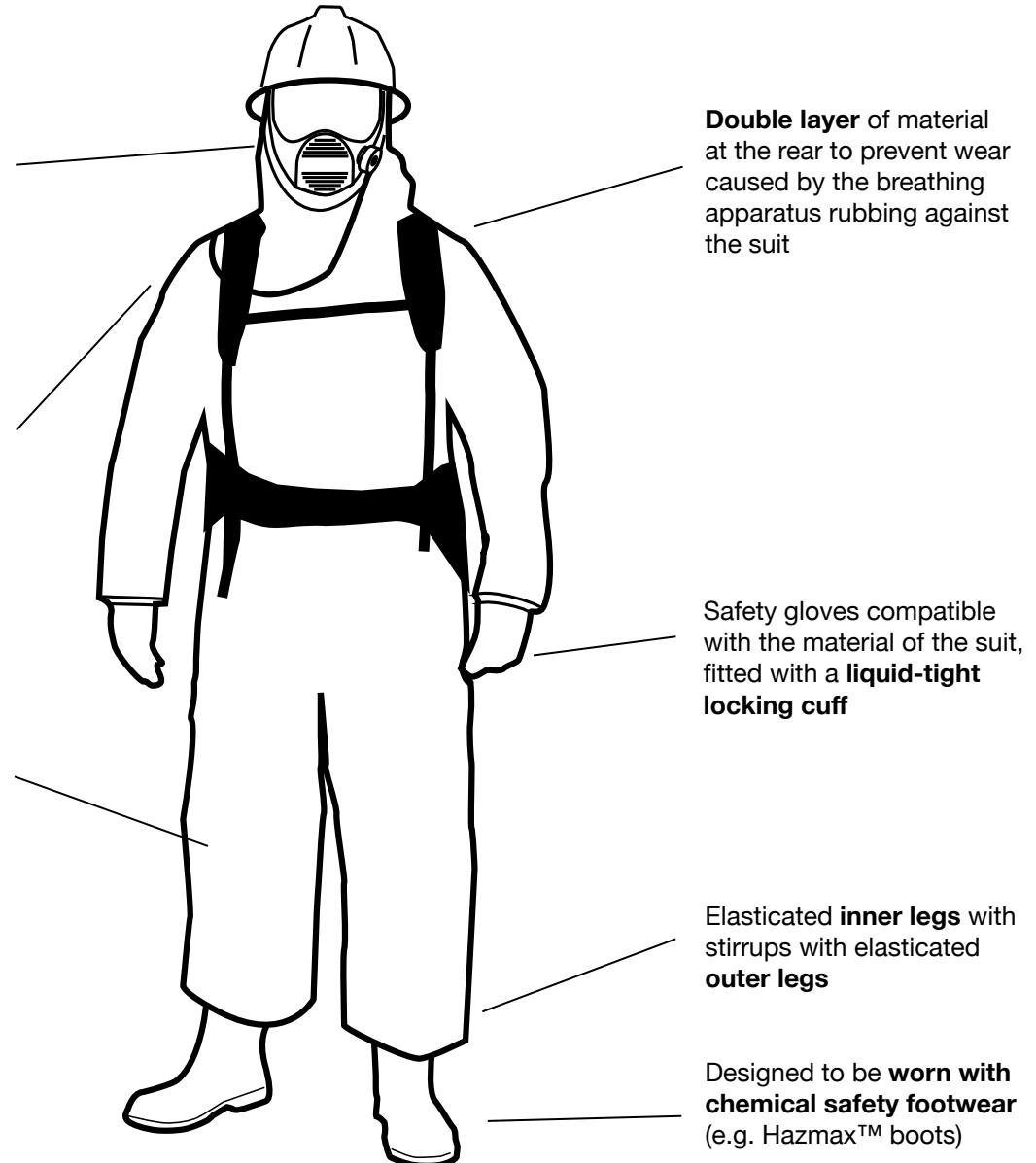
Key Features

Hood with **integral neoprene face seal** that is both shaped and flexible and provides a tight seal around the face mask, to preventing liquid penetration

Rear horizontal 91cm (36") **zip across the shoulders** of the garment with zip flaps secured by a hook & loop fastener to prevent liquid ingress.

Optional reinforcement on knees and/or elbows

Other zip, cuff and leg termination options available on request.



Double layer of material at the rear to prevent wear caused by the breathing apparatus rubbing against the suit

Safety gloves compatible with the material of the suit, fitted with a **liquid-tight locking cuff**

Elasticated **inner legs** with stirrups with elasticated **outer legs**

Designed to be **worn with chemical safety footwear** (e.g. Hazmax™ boots)

Accessories



HAZMAX™ Boots

A chemically-protective anti-static safety boot with an integral steel toe cap and mid sole, vulcanized rubber sole for superior slip resistance and kick off lug for hands free removal.



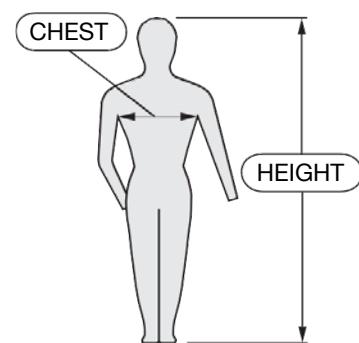
Suit Care & Maintenance

A selection of suit care products including cleaning and deodorising agents, anti-fogging spray for visors and lubricating wax for zips.

Sizing

Size	Chest (cm)	Height (cm)
Small	88-96	164-170
Medium	96-104	170-176
Large	104-112	176-182
X-Large	112-124	182-188
XX-Large	124-136	188-194

SIZE GUIDE



Material Performance

		VBV	VBP	Butyl	Neoprene	PVC C2
Abrasion Resistance	EN 530 Method 2	> 2,000	> 2,000	> 2,000	> 2,000	> 2,000
Flex Cracking Resistance	EN ISO 7854 Method B	> 100,000	> 40,000	> 15,000	> 5,000	> 100,000
Tear Resistance	EN ISO 9073-4	> 100 N	> 40 N	> 60 N	> 40 N	> 100 N
Tensile Strength	EN ISO 13934-1	> 500 N				
Puncture Resistance	EN 863	> 100 N	> 50 N	> 50 N	> 10 N	> 50 N
Resistance to Ignition	EN 13274-4 Method 3	Pass	Pass	Pass	Pass	Pass
Seam Permeation Resistance	EN ISO 6529	> 240 min	> 480 min	> 480 min	> 240 min	> 480 min
Seam Strength	EN ISO 13935-2	> 500 N	> 500 N	> 300 N	> 500 N	> 500 N

Chemical Permeation

	CAS NO.	VBV	VBP	Butyl	Neoprene	PVC C2
Hydrochloric acid, 36%	7647-01-0	> 480 mins	> 480 mins		> 480 mins	> 480 mins
Hydrofluoric acid 48%	7664-39-3	> 480 mins				
Hydrofluoric acid 73%	7664-39-3	> 480 mins			> 240 mins	< 30 mins
Nitric acid, 10%	7697-37-2				> 480 mins	> 480 mins
Nitric acid, 60% - 70%	7697-37-2	> 480 mins	> 480 mins	> 480 mins	> 480 mins	< 30 mins
Phosphoric acid, 85%	7664-38-2		> 480 mins	> 480 mins	> 480 mins	> 480 mins
Sodium hydroxide, 40%	1310-73-2	> 480 mins				
Sulphuric acid 10% - 50%	7664-93-9		> 480 mins	> 480 mins	> 480 mins	> 480 mins
Sulphuric acid 96%	7664-93-9	> 480 mins	> 480 mins	> 240 mins	> 240 mins	> 60 mins



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Living + Breathing Personal Protection