

LIMITED LIFE GAS TIGHT SUIT

TYCHEM® TK.



RESPIREX™

Water
Companies

Shipping

Nuclear

Health
Authorities

Petrochemical

Fire Brigades

Civil Resilience

Pharmaceutical

This fully encapsulating Type 1A - ET limited life gas tight suit is designed to protect the emergency responder against toxic, corrosive gases, liquids and solid chemicals.

The suit is manufactured in DuPont™ Tychem® TK, a high performance, seven layer, nonwoven, chemical barrier fabric that is also light in weight.

- Fully encapsulating design to allow breathing apparatus to be worn inside the suit
- Heavy duty 122cm (48") long gas tight zip, fitted to the right hand side of the suit - flap with a Velcro closure fitted to cover the teeth of the zip
- Adjustable internal support belt and bat-wing sleeves for optimal wearer comfort
- Flexible, multi-laminated, anti-mist visor giving clear undistorted vision
- Seams welded and double taped
- Dual glove system consisting of a chemically protective laminated inner glove bonded to an outer neoprene glove for mechanical protection.
- Gloves fitted by means of Respirex locking cuff
- Integral socks with outer splash guards or Hazmax™ FPA safety boots - Exclusive to Respirex, these boots are highly chemically resistant and are CE marked to EN ISO 20345:2004 and EN345-2:1996
- Exhalation valves ensure that the pressure change within the suit does not exceed 400 pascals in one minute
- Tested to EN464 prior to despatch for leak-tightness
- Pressure test required annually from year five or after each use

** Maintenance free for first five years unless used (in which case the suit must be tested after use and then pressure tested annually)*

Specifications

Sizes S, M, L, XL, XXL (see over)

Accessories

- Air pass-through
- Attachments for lifeline, torch, anchor point, Diktron and Firefly DSU's
- Hazmax™ boots
- Hazbag decontamination bag
- Training Suit

Protection



TYPE 1A

EN943-2:2002(ET)

Material tested for the 15 chemicals listed in EN943-2:2002(ET)

Material Resistance



EN14126:2003

Protective clothing against infective agents

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

www.respirexinternational.com
+44 (0)1737 778600
info@respirex.co.uk



Locking Cuff



Integral Sock

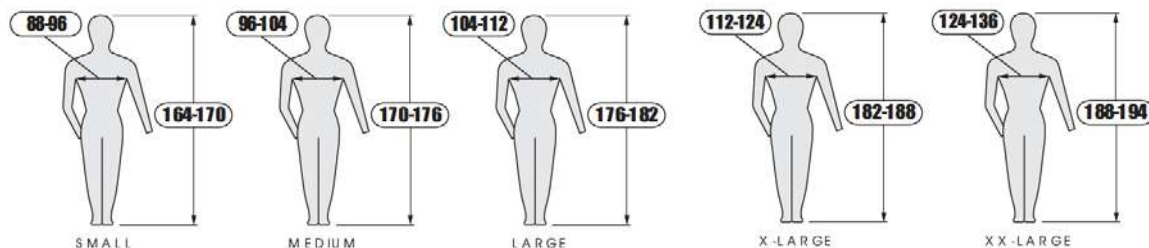
DuPont™ and Tychem® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company.

Respirex International Limited
Unit F, Kingsfield Business Centre,
Philanthropic Road, Redhill, Surrey,
RH1 4DP, United Kingdom

LIMITED LIFE GAS TIGHT SUIT

TYCHEM® TK.

Sizing



Material Performance

Tested In Accordance With	Performance Requirement	Typical Performance level	Performance Class Required For EN 943-2: 2002	Performance Class Achieved
EN 530:1994 Method 2 (inc. pressure drop)	Abrasion Resistance	> 2,000 Cycles	4	6
EN ISO 7854:1997 Method B (inc. pressure drop)	Flex Cracking Resistance	> 1,000 cycles	1	1
EN ISO 9073-4:1997	Trapezoidal Tear Resistance	Machine Direction 164.4 N Cross Direction 215.3 N	3	5
EN ISO 13934-1:1999	Tensile strength	Machine Direction 519.6 N Cross Direction 482.9 N	4	4
EN 863:1995	Puncture Resistance	49 N	2	2
EN ISO 6529:2001	Permeation Resistance when tested against 96% Sulphuric acid*	>480 min	1	6
EN 13274-4:2001 Meth 3	Resistance to ignition	No part ignited or continued to burn on removal from the flame	1	1
EN 13274-4:2001 Meth 3 (inc. pressure drop)	Resistance to flame	No part ignited or continued to burn on removal from the flame	1	1
ISO 5082:1982 Annex A2	Seam Strength	607 N	5	5

For Permeation Data please refer to the separate Respirex Materials Permeation Guide and the DuPont™ Tychem® TK material datasheet.

DuPont™ and Tychem® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company.