

GTL DISPOSABLE GAS TIGHT SUIT



RESPIREX™

Water
Companies

Shipping

Nuclear

Health
Authorities

Petrochemical

Fire Brigades

Civil Resilience

Pharmaceutical

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

The GTL suit is manufactured in Chemprotex™ 400, a new high performance chemical-barrier, multi-layer nonwoven fabric, in a high visibility yellow colour. This suit represents the latest in Gas Suit protection and is lighter in weight than slimited life suits currently available.

- 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 taped for maximum performance
- Chemically protective laminated glove welded to the suit material with an elasticated over sleeve to prevent splash entering the supplied neoprene outer gloves
- Integral socks with outer splash guards
- Tested to EN464 prior to despatch for leak-tightness

Specifications

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

Accessories

- Hazmax™ boots

Certification



TYPE 1A

EN943-2:2002(ET)

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

Material Resistance



FINABEL 0.7.C

Chemical Warfare Agents



EN14126:2003

Protective clothing against infective agents

PermaSure® Toxicity Modeller



The PermaSure® website provides toxicity modelling for the GTL suit for over 2,000 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 PermaSure® username and password please contact Respirex.

www.respirexinternational.com

+44 (0)1737 778600

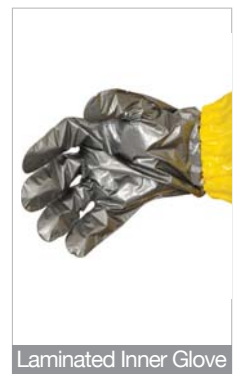
info@respirex.co.uk



5 Year
Shelf Life
No Maintenance Required



Integral Sock

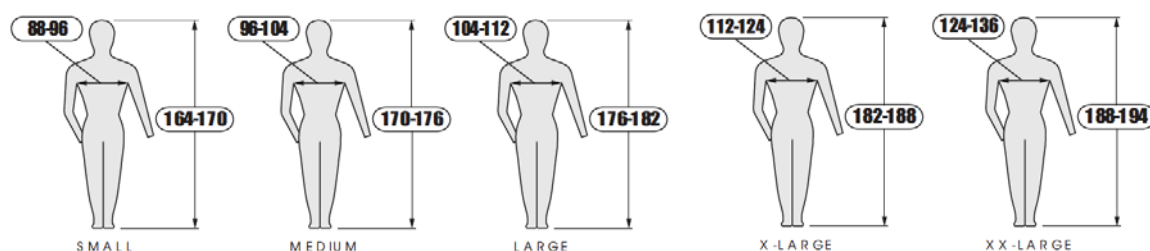


Laminated Inner Glove

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Sizing



Material Physical Properties

Property	Test Method	Property value of Chemprotex™ 400	Performance Class of	Minimum Class Required For EN943-2:2002
Abrasion resistance	EN 530:2010 Meth 2 (inc. pressure drop)	2,000 cycles	6	4
Flex cracking resistance	EN ISO 7854:1997 Method B (inc. pressure drop)	MD 1,000 cycles CD 1,000 cycles	1	1
Flex cracking resistance at low temperatures (-30°C)	EN ISO 7854:1997 Method B at -30°C (inc. pressure drop)	MD 200 cycles CD 200 cycles	2	2
Trapezoidal tear resistance	EN ISO 9073-4:1997	MD 99N CD 74N	4	3
Puncture resistance	EN 863:1995	27N	2	2
Tensile Strength	EN ISO 13934-1:1999	MD 451N CD 376N	4	4
Resistance to flame	EN 13274-4:2001 Method 3 modified (inc. pressure drop)	No part ignited or continued to burn on removal from the flame	1	1
Seam strength	EN ISO 13935-2:1999	>300N	5	5

Material tested in accordance with Table 1 of EN943-2:2002 - Minimum performance requirements of chemical protective clothing materials for limited-use suits. Key: N/A=Not applicable MD=Machine direction XD=Cross direction

Material Permeation Performance

Chemical	Physical State	Chemprotex™ 400	Suit Seams	Inner Glove*	Visor**
Acetone	liquid	>480	>480	>240	>480
Acetonitrile	liquid	>480	>480	>480	>480
Ammonia	gas	>480	>480	>120	>480
Carbon Disulphide	liquid	>480	>480	>480	>480
Chlorine	gas	>480	>480	>480	>480
Dichloromethane	liquid	>480	>480	>480	>480
Diethylamine	liquid	>480	>480	>480	>480
Ethyl Acetate	liquid	>480	>480	>240	>480
n-Heptane	liquid	>480	>480	>240	>480
Hydrogen Chloride	gas	>480	>480	>240	>480
Methanol	liquid	>480	>480	>60	>480
Sodium Hydroxide 40%	liquid	>480	>480	>240	>480
Sulphuric Acid 98%	liquid	>480	>480	>240	>480
Tetrahydrofuran	liquid	>480	>480	>240	>480
Toluene	liquid	>480	>240	>240	>480

All tests carried out under laboratory conditions by independent accredited laboratories in accordance with EN ISO 6529:2001 unless otherwise stated. Table shows average breakthrough times in minutes.