

# GTL DISPOSABLE GAS TIGHT SUIT



RESPIREX™

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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 limited 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 hook and loop fastener 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 (boots not included)
- Seven year maintenance free shelf life; the shelf life can be extended to ten years with a visual inspection and pressure test at year seven
- Tested to EN464 prior to despatch for leak-tightness



**7 Year  
Shelf Life**  
No Maintenance Required

## 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

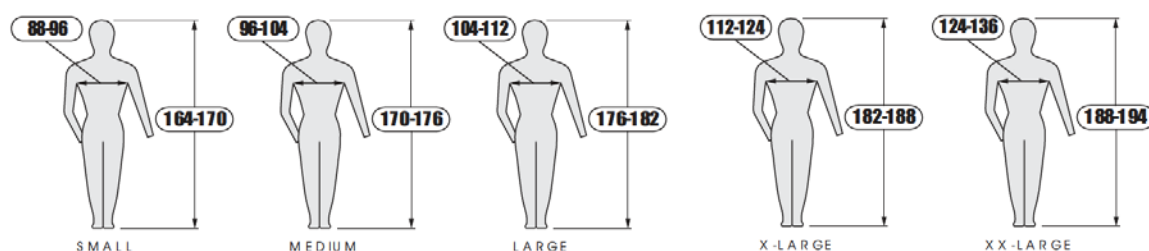


Integral Sock

Neoprene Outer 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 CD=Cross direction

## Material Permeation Performance

Chemical	Physical State	Chemprotex™ 400	Suit Seams	Inner Glove & Outer Gloves (Combined)	Visor
Acetone	liquid	>480	>480	>480	>480
Acetonitrile	liquid	>480	>480	>480	>480
Ammonia	gas	>480	>480	>480	>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	>480	>480
n-Heptane	liquid	>480	>480	>480	>480
Hydrogen Chloride	gas	>480	>480	>480	>480
Methanol	liquid	>480	>480	>480	>480
Sodium Hydroxide 40%	liquid	>480	>480	>480	>480
Sulphuric Acid 98%	liquid	>480	>480	>480	>480
Tetrahydrofuran	liquid	>480	>480	>480	>480
Toluene	liquid	>480	>240	>480	>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.

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