



**THE WORLDWIDE  
DIVING STANDARD**

## **VIKING™ HAZTECH** **FOR CONTAMINATED WATER DIVING**

Ansell is an acknowledged leader in the manufacturing and supply of dry suits for the global professional diving market.

The original red VIKING™ HAZTECH was introduced in April 2012 in order to reach out to a wider section of divers working in contaminated water situations. The suit has been a success with end users such as fire

brigades, police teams, inshore divers and specialist rescue teams.

To satisfy users with a need for a light-weight dry suit in a dark colour for stealth operations, Ansell is now introducing a new version of this popular PU dry suit – the black VIKING™ HAZTECH.

**Ansell**

# VIKING HAZTECH



## LIGHTWEIGHT DRY SUIT WITH HEAVY WEIGHT ARGUMENTS

- Lightweight dry suit designed for contaminated water diving
- High frequency welded seams for security
- Easy to clean and decontaminate
- Ideal for warm water and warm climatic conditions, where a rubber suit may be too heavy
- Suitable for cold water diving activities (tested for flex cracking according to EN ISO 7854 – no cracks detected after > 200 flexes down to -40°C)
- May be configured to suit your specific diving situation
- Softer feel than other similar suits on the market
- PU welded reinforcements on shoulders, elbows and knees
- Available in a black version for stealth operations
- Black version can be delivered without external logos and is fitted with a non-magnetic zipper as standard
- EN 14225-2 approval
- Hazmat (HZ) approval
- BIO approval

### SUIT MATERIAL AND CONSTRUCTION

The VIKING™ HAZTECH material is a TPU (thermoplastic polyurethane) outer layer in red or black, single coated onto a black knitted nylon fabric. Total weight is approximately 480 ± 40 g/m<sup>2</sup>. VIKING™ HAZTECH has a softer feel than other similar suits on the market. The HAZTECH material has a smooth outer surface, which means it is easy to clean and decontaminate.

### SIZE RANGE

• 00/SML, 01/MED, 02/LGE, 03/EXL, 04/XXL • 00/SML Wide-04/XXL Wide • 00/SML DWide-04/XXL DWide  
Full sizing information is available on <http://protective.ansell.com>.

### CERTIFICATION AND APPROVALS

VIKING™ HAZTECH has been certified to EN 14225-2:2005 including the optional requirements for chemical and biological protection. Testing and approval has been carried out by the Finnish Institute of Occupational Health, Helsinki, Finland, Notified body no. 0403.

### HZ CHEMICAL TEST RESULTS

CHEMICAL	PERMEATION BREAKTHROUGH TIME (MINUTES)				EN 14225-2 PROTECTION INDEX
	MATERIAL	SEAM	BOOT SEAM	ZIPPER	
Sulphuric acid, H <sub>2</sub> SO <sub>4</sub> (aqueous)	235	254	390	336	HIGH
Sodium hydroxide, NaOH, 50% (aqueous)	> 480	> 480	> 480	> 480	HIGH
Isopropanol	116	100	140	140	HIGH
Toluene 0.05% (aqueous)	> 480	> 480	> 480	> 480	HIGH
Liquid B	43	47	62	56	LOW/HIGH
Liquid F	> 480	> 480	> 480	> 480	HIGH

### BIOLOGICAL TEST RESULTS

REQUIRED TEST	METHOD	RESULT	CLASSIFICATION
ISO 16603	Penetration by synthetic blood	PASS	6
ISO 16604	Penetration by blood-bourne pathogens, using Phi-x 174 bacteriophage		
ISO 22610	Wet bacterial penetration testing	PASS	6

Class 6 = the highest level of protection (class 1 - class 6)



**VIKING HAZTECH HF WELDED SEAM**



**VIKING HAZTECH KNEE REINFORCEMENT**



**VIKING HAZTECH MEDIUM DUTY ZIPPER**



**VIKING X2 EXHAUST VALVE**



**VIKING RUBBER COATED NEOPRENE BOOTS**

## **SEAMS**

Dry suit seams are always the weakest point of any dry suit which is to be used for contaminated water diving. VIKING™ HAZTECH seams are high frequency welded, and then taped on the inside for visual appearances only. This method of sealing the seams offers unrivalled safety and peace of mind.

## **REINFORCEMENTS**

Potential high wear areas have been additionally protected by welding a 1 mm black PU film onto shoulders and elbows. The knee area is similarly protected.

## **ZIPPER**

- The red VIKING™ HAZTECH is fitted with a medium duty zipper as standard. The zipper is made from a TPU coated fabric which is high frequency welded onto the suit.
- The black VIKING™ HAZTECH is fitted with a non-magnetic zipper as standard.
- Zippers feature a durable additional layer of welded PU material for added strength.

## **VALVES**

- Push protected inlet valve. A hazmat version is optional.
- VIKING™ X2 exhaust valve with double check valves. Built from chemical resistant PC/PBT material.
- Non-magnetic valves are available on request for black suits.

## **BOOTS**

- Rubber coated neoprene boots with fin strap retainer on the heel. Soft, warm and comfortable.
- Optional boots: PVC non safety boots for extra grip and wide fit for use with undersocks, or Nitrile safety boots with steel toe cap and midsole for maximum protection.
- All boots are tested against Liquid B (which is typically the most aggressive among the specified chemicals) with a good safety margin.

# HAZTECH OPTIONS



**VIKING SURVEYOR LATEX HOOD**



**VIKING HDS MAGNUM HOOD (NITECS)**



**VIKING SMOOTHSKIN NEOPRENE HOOD**



**VIKING HDS HELMET YOKES (NITECS)**



**VIKING RUBBER GLOVE RING SYSTEM (NITECS)**



**GOODGRIP LATEX GLOVES**



**VIKING HDS DRY GLOVES (NITECS)**



**NITRILE RUBBER SAFETY BOOTS**



**PVC NON SAFETY BOOTS**

**NOTE:** For suggested diving systems for contaminated water diving, see <http://protective.ansell.com>.

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