

## Viking HAZTECH

Ansell Protective Solutions (formerly Trelleborg Protective Products) is an acknowledged leader in the manufacturing and supply of dry suits for the global professional diving market.

Up until now, the extensive range of Viking vulcanised rubber dry suits have been the number one choice for those who work in the increasingly demanding sector of contaminated water diving.

In order to increase the Viking dry suit portfolio, and to reach out to a wider section of divers working in contaminated water situations, Ansell is pleased to announce the introduction of a new lightweight PU dry suit - Viking HAZTECH.



# 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
- 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
- EN 14225-2
- HZ chemical approval
- BIO approval

### SUIT MATERIAL AND CONSTRUCTION

The HAZTECH material is a TPU (thermoplastic polyurethane) outer layer in red, single coated onto a black knitted nylon fabric. Total weight is approximately 483 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. This material has been developed and tested over an 18 month period.

### 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. The 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 medium duty zipper is made from a TPU coated fabric which is high frequency welded to the suit.

## **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.

## **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>.