



**TRELLCHEM**<sup>®</sup>  
THE SAFETY STANDARD

## TRELLCHEM<sup>®</sup> VPS-FLASH



Type VP1 with sewn-in socks/booties and separate boots.

Provides maximum protection against hazardous chemicals in liquid, vapor, gaseous and solid form, including warfare agents. Trellechেম<sup>®</sup> VPS-Flash is fully certified in accordance with the American standard NFPA 1991, including the optional chemical flash fire and liquefied gas protection requirements. The suit is also certified to the European standard EN 943-1 and EN 943-2.

### GARMENT MATERIAL

The combination of elastomers and plastics with a Nomex<sup>®</sup> fabric makes a strong and flexible material that offers an outstanding chemical barrier - more than 8 hours protection against a wide range of chemicals - coupled with an excellent flame resistance and resistance to abrasion, provided by the outer layer of chloroprene rubber. The material fulfills NFPA 1991 without any added protection requirement.

### COLOR

Orange or black.

### STANDARDS

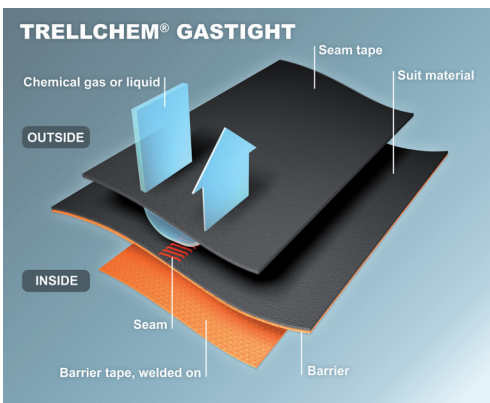
- NFPA 1991 (including the optional chemical flash fire and liquefied gas protection requirements)
- EN 943-1 and EN 943-2
- EN 1073-2 (radioactive particles)
- EN 14126 (infective agents)
- Approved for use in explosive environments, Zones 2 / 21, 22 only and Group IIA, according to ATEX Directive 94/9/EC
- SOLAS



Type CV



Type T



Trellchem® seam

## DESIGN

Trellchem® VPS-Flash comes in different designs to fit all user preferences:

- Encapsulating design with hump (type CV or VP1), BA worn inside the suit, or
- Non-encapsulating design with face seal and without hump (type T), BA worn outside the suit.

## VISOR/FACE SEAL

The visor on encapsulating suits is made from a rigid 2 mm impact and chemical resistant PVC. Option of two visors; CV or the larger VP1. The visor is fitted with an outer antistatic tear-off/ATEX lens. Non-encapsulating suits are fitted with an anatomically designed face seal.

## ZIPPER

Strong and durable gastight chloroprene rubber coated zipper. Closing downwards for added safety. The zipper is protected by a splash guard (flap).

**Note:** ET suits have the Trellchem® HCR zipper.

## VENTILATION

A ventilation system is included as standard. For the safety of the wearer it provides a constant level of over-pressure inside the suit. The Trellchem® regulating valve has 3 ventilation rates (2, 30 and 100 l/min) plus zero/off position and is also available in a passthrough version for use with external air supply.

## GLOVES & ATTACHMENTS

The glove assembly consists of minimum two layers:

- Inner Ansell Barrier® #02-100 glove
- Trellchem® Viton®/Butyl rubber glove (required for NFPA) or Butyl rubber glove

The AlphaTec® Overglove #58-800 is available for extra cut protection (required for NFPA).

The gloves are attached with the Trellchem® Bayonet glove ring system, which offers quick and simple glove exchange.

## FOOTWEAR & ATTACHMENTS

The suit is equipped with a sewn-on sock/bootie in the suit material. Alternatively the suit has attached boots.

## SEAM

Stitched with aramid thread for superior strength and durability. Taped with a rubber strip on the outside and a barrier laminate strip welded to the inside. This provides a continuous barrier layer across the seam.

**Note: NFPA certified suits are always in encapsulating design, have sewn-on socks and NFPA glove assembly.**

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