

CORRECT WEARING OF CHEMICAL PROTECTIVE CLOTHING

Type 5 & 6 AlphaTec® chemical protective suits and gloves

Best Practice - Working in your chemical protective suit

- Chemical protective suits will only help to protect you if they are:
 - Properly selected
 - Correctly fitted
 - Used for the correct environment
 - NOT torn, cut, punctured or otherwise damaged
- Be considerate to colleagues working in the vicinity
- Non-active people in the hazardous zone should wear a protective garment in the case of an emergency
- In areas of an explosion risk (Ex-zones) always wear a garment which is anti-statically treated, to ensure electrostatic discharges if earthed correctly
- Take care in the work area to prevent damage to your protective equipment e.g. avoid hot surfaces and sharp edges
- Do not remove your chemical protective clothing and/or ancillary Personal Protective Equipment (PPE) whilst working in a hazardous area
- YOU are responsible for your own safety and well-being!



Using the Buddy System

Individuals who are paired up to assume responsibility for one another's safety and to ensure Personal Protective Equipment (PPE) is worn correctly



1

Prior to donning the suit

- Always follow manufacturer's instructions for use
- Use a designated changing area - free from contamination
- Check size and protection level of the chemical suit
- Open packaging carefully - do not use knives or sharp objects
- Read user instructions carefully
- Visually inspect your coverall
- Check for holes/tears and inspect seams and zips
- Do not wear if damaged



2

Donning the suit

- Shake the coverall to make the suit easier to put on
- Remove unnecessary bulky clothing and objects from pockets
- Remove jewellery
- Sit down and remove footwear
- Tuck trousers in to socks
- Insert leg in to coverall ensuring toes are pointed
- Pull coverall up to the waist



3

Putting on safety footwear

- Sitting down, roll up the legs of the coverall
- Put on your required safety footwear
- Roll down each suit leg to cover the lower leg and ankle
- Do not tuck the suit leg into your footwear
- If required for the application, tape the chemical suit hem to your footwear above the ankle
- Insert each arm carefully into the sleeves
- Ensure each sleeve covers the wrist



4

Don the face mask

- If the application requires it, use protective eyewear
- Always follow the manufacturer's instructions for use
- Don the face mask, ensuring it fits comfortably around the face
- Pull up the hood ensuring there are no gaps



5

Sealing the suit

- Pull the zipper all the way up to under the chin
- Using the self-adhesive tape, remove backing tape first then seal down the front of the suit
- Ensure no creases or gaps are visible as this will reduce protection
- If required by the application, for full spray and particle protection use chemical resistant tape
- To assist with taping, use the Buddy System if required



6

Donning protective gloves

- Always wear the correct gloves for the application in accordance with the manufacturer's instructions for use
- Inspect the gloves for any defects and imperfections
- Pull the gloves on one at a time and ensure that the gloves fit well
- Wear an inner glove if required to give additional protection



7

Taping / finger loops

- Alternatively, the outer sleeve should be taped using an impermeable chemical tape
- Finger loops will help prevent movement when you are working above your head



8

Final checks

- The wearer checks the suit for fit and comfort