



## Radioactive particulate and liquid protection

Nuclear powerplant personnel and/or those who work in contamination protection are the most at risk to radiation exposure. However, even individuals involved in nuclear research, testing, decommissioning, reprocessing, site inspections, or general maintenance are at risk.

### The Proper Use and Function of Nuclear Protective Clothing

**No protective suit exists that can protect against electromagnetic radiation (Gamma Rays, X-rays), which are types of energy.**

The fabric used in single-use protective clothing for nuclear applications provides a limited barrier against radioactive alpha or beta particles by reducing contact with underlying clothing and skin. It does not provide a barrier to ionizing radiation energy; instead, it is designed to minimize the penetration of radioactive particulates and/or liquids.

After completing a task, garments should always be immediately removed and properly disposed of on-site to reduce exposure time and to prevent the transfer of radioactive materials to areas beyond the workspace (personal vehicles, breakroom areas, restrooms, etc.). Without disposable workwear, cross-contamination is a much higher risk.

Nuclear industry personnel who have direct or potential contact with radioactive contaminated materials should opt for more body coverage. Coveralls with an attached hood, boots, and taped seams provide the most full-body coverage. A hood has the added benefit of protecting the hair from airborne radioactive particles.

Always consider seam construction, fabric material, test data, and the application before selecting PPE. The protective clothing should have specific design features that reduce exposure to the hazards identified in your site's hazard risk assessment. This also applies to additional PPE such as respirators, gloves, boots, goggles, etc.

### ChemSplash® 1

Ends in "YS": Serged seams (no red tape). Ends in "YT": Taped seams

ChemSplash® 1 is available with taped or serged seams. A contrasting red stripe of tape helps to quickly distinguish taped seam garments from those made with serged seams.



[Sales Sheet & Test Data](#)



**Coverall with Elastic Wrists, & Open Ankles**

#7012YT	#7012YS
Taped Seams	Serged Seams
Sizes: Small - 4XL	Sizes: Small - 4XL
6 per case	12 per case



**Coverall with Attached Hood & Boots, Elastic Wrists**

#7019YT	#7019YS
Taped Seams	Serged Seams
Sizes: Small - 4XL	Sizes: Small - 4XL
6 per case	12 per case



**Sleeves, 18" Length**

#7065YT	#7065YS
Taped Seams	Serged Seams
100 pairs per case	100 pairs per case



**Coverall with Elastic Wrists & Ankles**

#7013YT  
Taped Seams  
Sizes: Small - 4XL  
6 per case



**Coverall with Attached Hood, Elastic Wrists & Ankles**

#7015YT	#7015YS
Taped Seams	Serged Seams
Sizes: Small - 4XL	Sizes: Small - 4XL
6 per case	12 per case



**Bib-Style Apron, 28" x 46"**

#702846Y  
100 per case

### ChemSplash® 2

Durable and disposable coveralls for broad protection against chemicals, acids, caustics, blood, and blood-borne pathogens. Coveralls are made with lighter fabric that is more pliable. Taped seams provide superior protection to coveralls made with serged seams.



[Sales Sheet & Test Data](#)



**Coverall with Elastic Wrists, Open Ankles, Storm Flap over Zipper with Pressure-Sensitive Tape, Taped Seams, Attached Thumb Loops, Large Zipper Pull**

#7312GT  
Sizes: Medium - 5XL  
6 per case



**Coverall with Attached Respirator Hood, Elastic Wrists, Storm Flap over Zipper with Pressure-Sensitive Tape, Taped Seams, Attached Thumb Loops, Large Zipper Pull**

#7315GT  
Sizes: Medium - 5XL  
6 per case



**Coverall with Attached Respirator Hood & Boots, Elastic Wrists, Storm Flap over Zipper with Pressure-Sensitive Tape, Taped Seams, Attached Thumb Loops, Large Zipper Pull**

#7319GT  
Sizes: Medium - 5XL  
6 per case

### Vinyl Chemical Coat Apron

Chemical coat aprons are field tested and approved by some of the largest semiconductor companies. Aprons are clean-processed and individually bagged under cleanroom conditions for use in the most critical controlled environments.



[Sales Sheet & Test Data](#)



**Navy Blue Long Sleeved Apron, Made of 6 Mil Thick Vinyl, Double-sealed Tunnelized Elastic Wrists, Ultrasonically Sealed Seams, w/ Ties at Neck and Waist**

#IT6CAB-C  
Sizes: Small - 3XL  
18 per case