



Enhancing
Worker Protection From
Head to Toe

Maximizing both the **output** of your workers and their protection, health and safety is an ongoing challenge.

Implementing and enforcing the use of protective apparel can be difficult.

How do you know you are providing adequate protection for your workforce?

How can you help safeguard workers with the least amount of restriction to on-the-job performance?

Presenting

3M™ Protective Apparel Solutions

A broad range of protective disposable coveralls and accessories designed for user comfort and constructed for quality and protection.

- Built to global protection standards—the only U.S. protective apparel line offering whole suit CE certification*
- Industry-leading design and comfort features help optimize protection from workplace hazards with enhanced comfort and freedom of movement
- From a worldwide leader in occupational safety, offering a full line of compatible respirators, safety goggles and other personal protective equipment (PPE) to meet your needs

Opportunity

Workers are more likely to practice proper usage and wear and to function their best if protective apparel is comfortable and suited to conditions of their environment

When you choose 3M™ Protective Apparel, our experts become your experts. We'll guide you through a product assessment to help determine which level of protection is right for your job, helping to improve worker safety and compliance.

Based on your identified hazards and risk assessment we'll help you:

- 1 Review identified site hazard(s)
- 2 Select adequate and suitable PPE
- 3 Train your workers on proper donning and doffing procedures

¹[bls.gov/news.release/osh.t06.htm](https://www.bls.gov/news.release/osh.t06.htm)

*While there are not yet regulations for Protective Coveralls in the U.S., 3M holds its products to the CE/European standards for proven effectiveness in protecting against industrial hazards

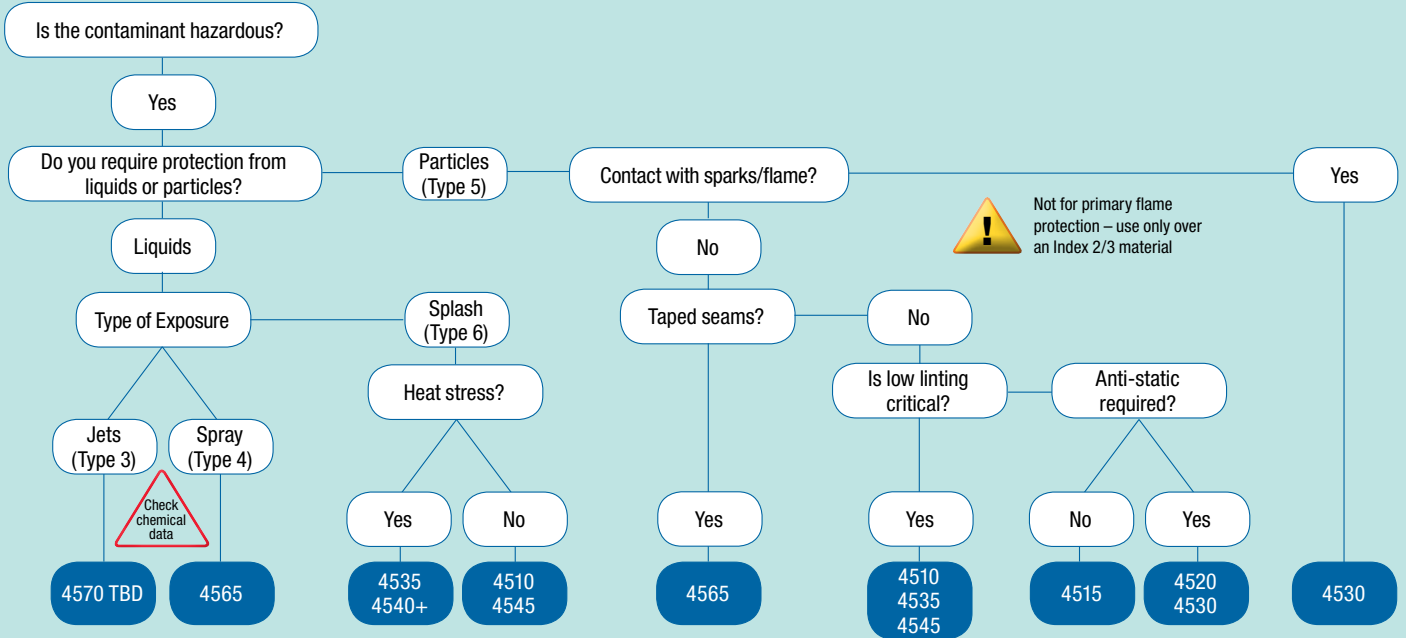
FACT

In the “goods producing” sector of industry, which includes manufacturing, construction, and natural resources and mining, skin diseases/disorders rank as the #2 leading cause of incidence rates and nonfatal occupational illnesses.¹ Protective apparel is a key factor in improving safety. Yet such garments are only effective if they are worn consistently and matched to the hazards of the job.

Protective Garments to Fit Your Needs



Product Selector* Match your protection level to the demands of the job



*This product selector is intended to provide guidance on key features of the 3M product range. The products shown highlight some of the products which may be considered but product suitability will depend on the particular situation and products selection should always be made only by a competent person knowledgeable of the actual working conditions and limitations of the PPE.

The 3M™ Protective Apparel Difference

- Three panel hood design on most models for compatibility with complementary PPE
- Hooded and collared options available on most models
- Contains no components made from natural rubber latex
- Seamless shoulder and sleeve tops for increased comfort and fewer entry points for contaminants
- Two-way zipper for on/off convenience
- Storm flap on all coveralls to help provide additional protection
- Extra material in arms and legs for more freedom of movement
- Available in a variety of sizes
- Knit cuffs and elasticized waist and ankles on most models for increased comfort and mobility

Backed by 3M global technical capabilities and support
Opportunities for customization

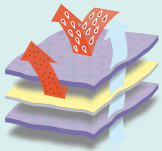
3M™ Protective Coveralls

SMS Fabrics

Advanced, breathable, lightweight materials that reduce heat build-up and promote comfortable wear are a key feature of these coveralls. All models are available in hooded and collared versions, have anti-static treatment on both sides and have knit cuffs and elastic waist and ankles for increased comfort and mobility unless otherwise noted.

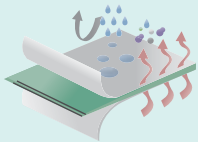
SMS

A breathable fabric that offers a good barrier against hazardous particles and limited liquid splashes.



SMMS

Breathable fabric that offers a good barrier against certain limited liquid splashes and hazardous particles.



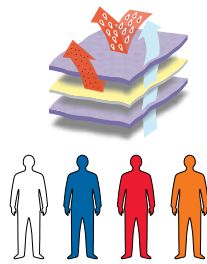
SMMMS

Offers increased breathability and a good barrier against hazardous particles and limited liquid splashes.



3M™ Protective Coverall 4515

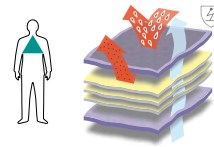
- Entry level hazardous dust protection
- Available in four colors



This model available only in a hooded version and not designed with anti-static coating or knit cuffs. Cuffs are elastic for a secure fit.

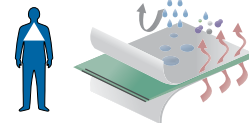
3M™ Protective Coverall 4520

- Increased protection and enhanced comfort
- Helps protect against certain light liquid splashes and hazardous dusts



3M™ Protective Coverall 4530

- Treated to provide secondary flame resistance against heat and flames*
- Helps protect against certain light liquid splashes and hazardous dusts
- Reinforced gusset for increased durability



*Coverall must be worn over primary FR garment and is not to be worn next to skin when true FR is required. Warning: cuffs are not flame resistant and must be worn under gloves.

Laminates

Constructed of quality non-woven laminated materials that are low-linting with anti-static treatment on both sides, these coveralls provide reliable performance. Models available in a hooded and collared option and feature knit cuffs and elastic waist and ankles for increased comfort and mobility unless otherwise noted.

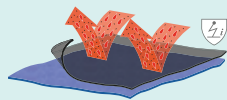
Microporous PE Laminate

Offers a good barrier against hazardous particles and liquid splashes, while the micropores allow for some breathability.



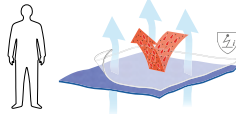
Non-microporous PE Laminate

Offers a good barrier against hazardous particles and liquids.



3M™ Protective Coverall 4510

- Entry level splash and dust protection
- Helps protect against certain light liquid splashes and hazardous dusts

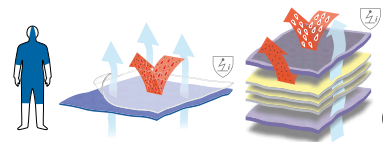


Not designed with knit cuffs, cuffs are elastic for a secure fit



3M™ Protective Coverall 4535

- Performance combined with enhanced breathability
- Helps protect against certain light liquid splashes and hazardous dusts, including nuclear particles
- Large breathable, SMMMS fabric back panel helps improve air ventilation and reduce heat build-up



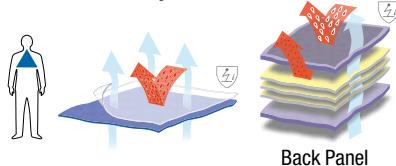
Back Panel



Only available in a hooded option.

3M™ Protective Coverall 4540+

- Enhanced performance and comfort
- Helps protect against certain light liquid splashes and hazardous dusts, including nuclear particles
- Breathable, SMMMS fabric back panel helps improve air ventilation and reduce heat build-up
- Reinforced gusset for extra durability

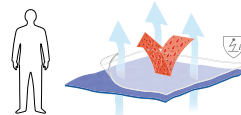


Back Panel



3M™ Protective Coverall 4545

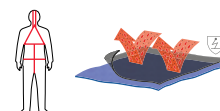
- Performance combined with softness
- Helps protect against certain light liquid splashes, hazardous dusts and biological contaminants (tested to EN14126*)
- Reinforced gusset for extra durability



Only available in a hooded option.

3M™ Protective Coverall 4565

- Extra protection with lightweight comfort
- Helps protect against certain hazardous dusts, light liquid chemical splashes, and low pressure liquid sprays
- Taped seams for extra protection
- Offers protection from certain biological contaminants (tested to EN14126**)



Only available in a hooded option.

Thermographic Images Person active for 15 minutes



3M™ Protective Coverall 4540+ without breathable panel



3M™ Protective Coverall 4540+ with breathable panel

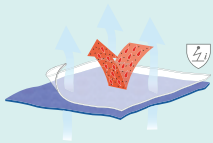
*Consult class results in Technical Data Sheet or User Instructions for more information.

Complementary Accessories

From head to toe, we've got you covered with a full range of add-on options to give your workers the body protection they need.

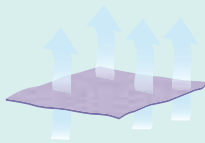
Microporous PE Laminate

Offers a good barrier against hazardous particles and light liquid splashes, while the micropores allow for some breathability.



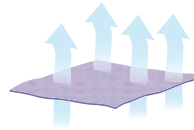
Polypropylene

Light duty protection against non-hazardous liquids and dust. Offers a good barrier against particles.

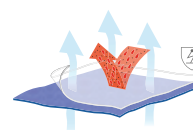


Lab Coats

3M™ Protective Lab Coat 4400

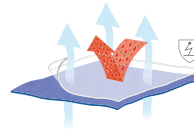


3M™ Protective Lab Coat 4440

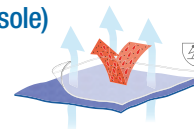


Overboot and Overshoe Covers

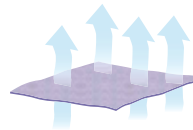
3M™ Protective Overboot Cover 440 (With standard sole)



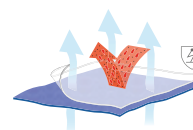
3M™ Protective Overboot Cover 450 (With slip-resistant sole)



3M™ Protective Overshoe Cover 402

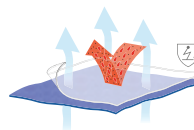


3M™ Protective Overshoe Cover 442

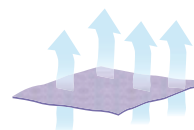


Arm and Head Covers

3M™ Protective Oversleeve 444



3M™ Protective Hair Net 407



Products held up to high standards of protection...proven, ongoing dedication to occupational safety... that's the 3M difference. We'll continue to lead the way with advanced solutions to help protect workers—with a commitment that extends from head to toe!

Application	4510	4515	4520	4530	4535	4540+	4545	4565
Abatement/ Remediation	Asbestos Abatement and Inspection	○	●	○		○	○	
	Exposure to Radioactive Particles	○	○	○		○	○	●
	Lead Abatement (1)	○	●	○	○	○	○	
	Mold Remediation/Mold Spores	○	●	○	○	○	○	
Agriculture	Animal Waste (solid)		○	○				
	Fertilizer Application (Dry/Granular)	○	●	○	○	○	○	
	Pesticide Application (Dry/Granular)		●	○	○			
	Pesticide Application (Liquid)	○				●	●	○
Biological/ Biohazard	Blood							●
	Bodily Fluids							●
	Hazardous Biological Aerosol						●	○
Cleaning and Maintenance	Dirt (general)		●	○				
	General Industrial Clean-up and Processing	○	●	○	○	○	○	
	Grease (general)	○	○	○	○	○	○	
	Light-duty Building Cleaning	○	○	○				
	Machine or Vehicle Maintenance	○	○	○	●	○	○	
	Maintenance (Refinery)				●			
	Sewage							●
General Industry/Manufacturing	Coal Dust	○	●	○	○	○	○	
	Electronics/Circuit Board Assembly (2)			●	○			
	Fiberglass/Cellulose Insulation Installation	○	●	○	○	○	○	
	Food Processing	○	○	○		○	○	
	General Industrial Clean-up and Processing	○	●	○	○	○	○	
	General Powder Handling	○	●	○	○	○	○	
	Lime Handling		●	○	○			
	Liquid Chemical Handling							○
	Liquid Chemical Transfer							○
	Warehousing		○	○				
Non-Hazardous Operations	Woodworking		○	○				
	Non-hazardous Aerosols (sprays)	○	●	○	○	○	○	
	Non-hazardous Liquids	○	●	○	○	○	○	
Painting	Non-hazardous Solids		○	○				
	Paint/Coating Spraying	○				●	●	○
	Paint/Coating Spraying (with Isocyanate paints)(3)	○				●	●	○
Pharmaceutical/ Cleanroom	Powder Coating							●
	Clean Room Applications (ISO Class 1 - 3)							●
	Clean Room Applications (ISO Class 4 - 9)	○				○	○	○
Welding/ Metalwork	Pharmaceutical Powder Handling	○				●	●	○
	Metal Grinding				●			
	Metal particulate (chromium, beryllium, etc)	○	●	○	○	○	○	
	Metal Polishing	○	●	○	○	○	○	
Welding (worn over appropriate welding garment)				●				

(1) Suggested if working with heat or open flames
(2) For applications conducted in a controlled environment refer to "Cleanroom Applications"
(3) Where heavy liquid contact is anticipated, contact 3M Technical Service at 1-800-243-4630






Suggested ●
Acceptable Alternative ○

As with any PPE, the selection of protective Apparel should be based on the specific workplace conditions and results of the workplace specific PPE hazard assessment conducted by a competent person knowledgeable of the actual working conditions and limitation of the PPE. Contact 3M Technical Service for specific chemical permeation, penetration, and repellency data.

*Contact 3M Technical Service for specific chemical permeation, penetration, repellency data, and biological data.

Which 3M™ Protective Coverall is Right for You?



Aspect	Standard	4510	4515	4520	4530	4535	4540+	4545	4565
Protective Clothing	EN 340	•	•	•	•	•	•	•	•
 Type 6 Splash	EN 13034/(EN ISO 17491-4)	•	•	•	•	•	•	•	•
 Type 5 Dust	EN ISO 13982-1	•	•	•	•	•	•	•	•
 Type 4 Spray	EN 14605/(EN ISO 17491-4)								•
 Type 3 Spray	EN 14605/(EN ISO 17491-3)								
 Biohazard ¹	EN 14126/ASTM F 1670							•	•
 Anti-Static ¹	EN 1149 ²	•	•	•	•	•	•	•	•
 Nuclear	EN 1073-2	•	•	•		•	•	•	•
 Flame Resistance	ISO 14416 ³ Index 1				• ⁴				

For more information on 3M™ Protective Apparel, visit 3M.com/protectivecoveralls. Or contact your 3M representative.

¹Consult class results in Technical Data Sheet or User Instructions for more information
²All apparel must be grounded for anti-static treatment to be effective
³Must be worn over ISO 14416 Index 2 or 3 garments and not worn next to skin when flame resistance is needed
⁴Cuffs are not flame resistant

Important Notice

This guide is only an outline. It should not be used as the only means for selecting protective apparel. Before using any protective apparel, the wearer must read and understand the user instructions for each product. Specific country legislation must be observed. If in doubt, contact a safety professional. Selections of the most appropriate PPE will depend on the particular situation and should only be made by a competent person knowledgeable of the actual working conditions and the limitations of PPE.

Final determination as to the suitability of these products for a particular situation is the employer's responsibility. This information is subject to revision at any time. Always read and follow all *User Instructions* supplied with your 3M™ Protective Coveralls in order to ensure correct operation. If you have questions contact 3M Technical Service.

WARRANTY: 3M will replace or refund the purchase price of any Occupational Health and Environmental Safety Division (OH&ESD) product found to be defective in material, manufacture, or not in conformance with any express warranty. THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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 Technical Assistance in Canada 1-800-267-4414
3M.ca/Safety

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