

# Selection guide by application

● Suggested ○ Possible alternative



	4510	4515	4520	4530	4535	4540+	4545	4565	4570
Certification**	Limited Splash, Particle, Anti-static, Limited Micro-organism	Limited Splash, Particle	Limited Splash, Particle, Anti-static	Limited Splash, Particle, Anti-static	Limited Splash, Particle, Anti-static	Limited Splash, Particle, Anti-static	Limited Splash, Particle, Anti-static, Limited Micro-organism	Limited Splash, Particle, Spray, Anti-static, Limited Micro-organism	Limited Splash, Particle, Spray, Jet, Nuclear, Anti-static, Micro-organism
Material weight	1.38 oz/yd <sup>2</sup> (47gsm)	1.47 oz/yd <sup>2</sup> (50gsm)	1.26 oz/yd <sup>2</sup> (43gsm)	1.59 oz/yd <sup>2</sup> (54gsm)	1.62 oz/yd <sup>2</sup> (55gsm)	1.44 oz/yd <sup>2</sup> (49gsm)	1.44 oz/yd <sup>2</sup> (49gsm)	1.44 oz/yd <sup>2</sup> (49gsm)	2.71 oz/yd <sup>2</sup> (92gsm)
Sizes	M-4XL	M-4XL	M-4XL	M - 4XL	M - 4XL	M-4XL	M-4XL	M-4XL	S - 4XL
Colors									
<b>▶ Abatement/remediation</b>									
Exposure to radioactive particles	○	○	○	●	○	○	○	○	●
Mold remediation/ mold spores	○	●	●	○	○	○	○	○	○
Asbestos inspection, site preparation	○	●	●	○	○	○	○	○	
Asbestos removal	○	○	○	○	○	○	○	●	
<b>▶ Agriculture</b>									
Fertilizer application (dry/granular)	○	●	○	○	○	○	○		
Animal waste (solid)		○	○						
Pesticide spraying <sup>3</sup>					○			●	○
<b>▶ Emergency response/biohazard</b>									
Bloodborne pathogens									●
Hazardous biological aerosol									●
<b>▶ Pharmaceutical/clean room</b>									
Pharmaceutical processing	○		○	○	○	○	○	●	
Handling powders	○		○	○	○	○	○	●	
Clean rooms	○					○	●	●	
<b>▶ Painting</b>									
Spray Painting	●			○	●	●	●	●	
Resin application	●			○	●	●	●	○	
Fiberglass application	●			○	●	●	●	○	

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**Product Guide**  
(continued)



	4510	4515	4520	4530	4535	4540+	4545	4565	4570
<b>► Cleaning and maintenance</b>									
Dirt		●	○	○					
Machine or vehicle maintenance	○	○	○	●	○	○	○		
Light duty building maintenance	○	○	○						
Grease (general)	○	○	○	○	○	○	○		
Light duty warehousing, janitorial		●							
<b>► General industry</b>									
Electronics/circuit board assembly <sup>1</sup>			●	●					
Fiberglass/cellulose insulation installation	○	●	●	○	○	○	○	○	
Food processing	○	○	○		○	○	○		
General powder handling	○	●	○	○	○	○	○		
Lime handling		●	○	○					
Woodworking			●	●					
Non-hazardous aerosols (sprays)	○	○	○	○	●	○	○	○	
Non-hazardous liquids	○	○	○	○	●	○	○	○	
Non-hazardous solids		●	○						
Coal dust	○	●	○	○	○	○	○	○	
<b>► Oil &amp; gas/chemical</b>									
Maintenance (refinery)				●					
Tank cleaning								○	●
Chemical mixing and handling								○	●
<b>► Metal work</b>									
Metal grinding				●					
Welding in certain applications (worn over appropriate welding garment) <sup>2</sup>				●					

**Summary: Materials and design**

	White	White, blue	White	Blue	White with blue full back	White with blue triangle	White	White with red taped seams	Grey
<b>► Color options</b>	White	White, blue	White	Blue	White with blue full back	White with blue triangle	White	White with red taped seams	Grey
<b>► Suit material</b>	PE laminate	SMS	SMMMS	SMMS	PE laminate + SMMMS	BICO PE laminate + SMMMS	BICO PE laminate	BICO PE laminate	Multi-layer PE laminate
<b>► Fabric weight</b>	47 gsm	50 gsm	43 gsm	54 gsm	55 gsm	49 gsm	49 gsm	49 gsm	92 gsm
<b>► Coating</b>	Anti-static	None	Anti-static	Anti-static, FR	Anti-static	Anti-static	Anti-static	Anti-static	Anti-static
<b>► Storm flap</b>	Basic flap	Storm flap with tabs	Storm flap with tabs	Sealable flap	Basic flap	Sealable flap	Sealable flap	Sealable flap	Double flap, double zip
<b>► Cuffs</b>	Elastic	Elastic	Knitted	Knitted	Knitted	Knitted	Knitted	Knitted	Elastic + thumb loops
<b>► Reinforced gusset</b>	No	No	No	Yes	Yes	Yes	Yes	No	No
<b>► Hood design</b>	2-panel	2-panel	3-panel	3-panel	2-panel	3-panel	3-panel	3-panel	3-panel
<b>► Seams type</b>	Stitched & partially bound	Stitched	Stitched	Stitched	Stitched & partially bound	Stitched & partially bound	Stitched & partially bound	Taped	Taped

<sup>1</sup> For applications conducted in a controlled environment refer to "Cleanroom Applications".

<sup>2</sup> Material will melt when contacting spatter and hot surfaces.

<sup>3</sup> Refer to pesticide manufacturer's recommendations for appropriate level of liquid/particulate protection.

\*\* See pages 4-5 for additional overview and technical data sheets at [3M.com/protectiveapparel](http://3M.com/protectiveapparel) for fuller specifications.

**Important Notice**

This guide is only an outline. It should not be used as the only means for selecting protective clothing. Before using any protective clothing, 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. Selection 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.**

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