



Protective Coveralls



Built for protection. Designed for comfort

3M has a select range of high quality stylish protective coveralls offering breathable comfort and protection you can rely on.

The range provides peace of mind for effective use and protection against many industrial hazards.

Select Features

- + 3-piece elasticated hood, waist and ankles for a comfortable fit and freedom of movement (select models only)
- + Two-way zip for convenience with storm flap for extra protection from contaminants
- + Additional treatments for example, to improve flame spread resistance or improve repellency to oil and alcohol based liquids (select models only)
- + Knitted cuffs for increased wearer comfort (select models only)
- + Anti-static treatment (select models only)
- + Coveralls by 3M contain no components made from natural rubber latex or silicone
- + Sizes: from S to 4XL (available on most models)

Table of Symbols

Symbol	Title/Aspect	Standard number
	Protective clothing – chemical	
	Type 6 – protective performance against liquid chemicals (whole suit, reduced spray)	EN 13034 + A1
	Type 5 – protective performance against solid airborne particulates	EN ISO 13982-1
	Type 4 – protective performance against liquid chemicals (spray tight)	EN 14605 + A1
	Type 3 - protective performance against liquid chemicals (jet spray)	EN 14605 + A1
	Protective Performance – Infective agents	EN 14126
	Protective performance against radioactive particulate contamination	EN 1073-2
	Protective Clothing – Electrostatic properties – surface resistivity	EN 1149-5
	Protective Clothing – Resistance to flame spread	EN 533 / ISO 14116 (Index 1)



3M™ Protective Coveralls 4500 and 4505

The 4500 and 4505 are presented to the market as CE Category 1 protective coveralls suitable for non-hazardous applications.

Whether it is for domestic DIY use, light duty industrial cleaning and maintenance applications or environments where hygiene and cleanliness are important, the 4500 and 4505 are excellent economic solutions to keep the wearer clean or dry

4500

Key Features:

- + Breathable and light duty protection
- + Strong, durable 45gsm polypropylene fabric
- + Storm flap over zip
- + Elasticated hood, cuffs, ankles and waist
- + Available in blue and white



3M™ Protective Coverall 4500

Colour: White, Blue
CE Category I
Sizes: S-4XL

Typical Applications:

Popular Choice

- + Light duty cleaning
- + Warehousing
- + Janitorial
- + Domestic DIY

4505

Key Features:

- + Light duty non-hazardous liquid protection
- + Thick, laminated material for extra robustness
- + Repels water and some non-hazardous oils
- + Elasticated hood, cuffs, ankles and waist
- + 2-way zip with storm flap



3M™ Protective Coverall 4505

Colour: White
CE Category I
Sizes: S-4XL

Typical Applications:

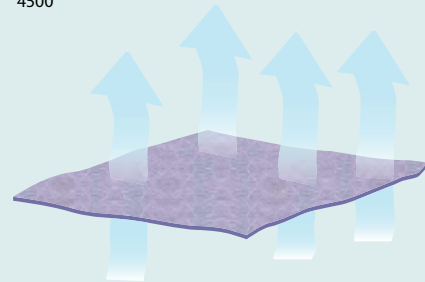
Popular Choice

- + Light duty cleaning
- + Warehousing
- + Janitorial
- + Domestic DIY
- + Water-based applications

Fabric material

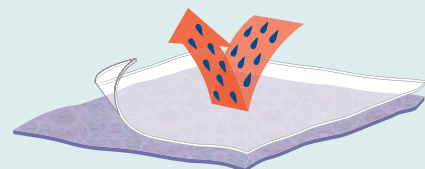
The 4500 is made from a 45gsm single layer of spun bond polypropylene ensuring it is soft and breathable, but sufficiently robust and protective for general purpose use.

4500



The 4505 is made from a thick, robust 67gsm polyethylene laminate material comprising a soft, base layer of spunbond fibres with a high quality polyethylene laminate film making it highly suitable for low-hazard wet applications

4505





3M™ Protective Coverall 4510

The 4510 is an economic solution to protect from limited chemical splashes such as those from paint spraying and is certified to the PPE Directive Category III, Type 5/6 protection standard. The material is microporous, allowing air to escape from within the suit, while helping to protect from the hazard on the outside.

Typical Applications*:

Popular Choice

- + Light industrial cleaning
- + Machine maintenance
- + Paint spraying & powder coating
- + Coating & resin applications
- + Crime scene investigation

Suitable for consideration

- + Asbestos inspection and removal
- + Site preparation, insulation.
- + Cement manufacturing
- + Grinding & polishing
- + Pharmaceutical processing and handling toxic powders
- + Cleanrooms

Key Features:

- + Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6)
- + Laminated microporous material
- + 2-way zipper with storm flap for added on-off convenience and extra protection
- + Elastic cuffs, waist and ankles for a better fit and freedom of movement
- + Very low-linting
- + Anti-static treatment



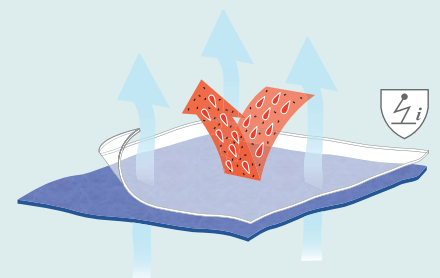
3M™ Protective Coverall 4510 Type 5/6

Colour: White
CE Category III
Sizes: S-4XL



Fabric material

The anti-static treated 4510 material is made using a layer of soft, spunbond polypropylene and a layer of light, but high quality anti-static treated polyethylene laminate film giving good levels of barrier efficiency and protection.



3M™ Protective Coveralls



3M™ Protective Coverall 4515

Low cost hazardous dust protection

The 4515 is an economic solution to protect from hazardous dusts such as asbestos fibres exposed to during site inspection*. While protecting on the outside, the breathable material allows air to escape from the inside to reduce heat build-up and discomfort. Available in white, blue, red and orange, the range is certified to PPE Directive Category III, Type 5/6 protection for both hazardous dusts and liquid splashes.

Typical Applications*:

Popular Choice

- + Asbestos inspection
- + Site preparation, insulation

Suitable for consideration

- + Cement manufacturing
- + Grinding & polishing
- + Light industrial cleaning
- + Machine maintenance

Key Features:

- + Excellent barrier against dry particles and limited liquid splash (CE Type 5/6)
- + Robust, Low-linting, highly breathable 50gsm SMS material
- + 2-way zipper with storm flap for added on-off convenience and extra protection
- + Elastic cuffs, waist and ankles for a better fit and freedom of movement
- + Low-linting
- + Available in white, blue, red and orange



3M™ Protective Coverall 4515 Type 5/6

Colour: white, blue, red and orange

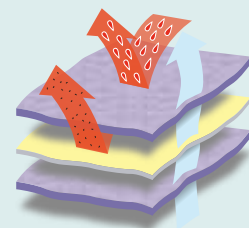
CE Category III

Sizes: S-4XL



Fabric material

The 4515 sandwiches a single thick filtering layer of melt-blown polypropylene between two thinner layers of softer spun bond polypropylene delivering a finished durable, breathable 50gsm protective material that aids air flow to reduce heat stress and improve comfort.





3M™ Protective Coverall 4520

With the latest lightweight, breathable material technology, 3M™ presents the 4520 Protective Coverall, a PPE Directive Category III, Type 5/6 protective garment.

Typical Applications*:

Popular Choice

- + Asbestos inspection
- + Site preparation, insulation

Suitable for consideration

- + Asbestos removal
- + Cement manufacturing
- + Grinding & polishing
- + Light industrial cleaning
- + Machine maintenance
- + Pharmaceutical processing and handling toxic powders
- + Construction work
- + Light paint spraying / powder coating

Key Features:

- + Latest breathable material technology for reduced heat stress and breathable comfort all day
- + Extremely lightweight compared to many certified coveralls available in the marketplace.
- + 3-panel elasticated hood for enhanced compatibility with complimentary PPE
- + Knitted cuffs and elasticated waist and ankles for increased comfort and freedom of movement
- + 2-way zipper with sealable tab on stormflap for added convenience and extra protection.
- + Anti-static treatment to reduce charge build-up
- + Meets inward leakage requirements of EN 1073-2 for protection against nuclear particles.



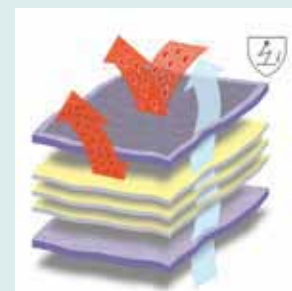
3M™ Protective Coverall 4520 Type 5/6

Colour: white with green back panel
CE Category III
Sizes: S-4XL



Latest Material Technology

With 3 layers of melt-blown polypropylene in-between 2 layers of spunbound polypropylene, the 4520 fabric has been specifically designed to improve air flow and breathability, thereby reducing heat stress and enhancing comfort levels. The middle 3 layers act as a filter to effectively protect against hazardous dust and splash and the outer 2 layers offer strength and durability whilst maintaining a soft, comfortable feel.



3M™ Protective Coveralls



3M™ Protective Coverall 4530 and 4530+

The 4530 and 4530+ are PPE Directive, CE Category III, Type 5/6 protective garments with breathable SMMMS material technology, a host of comfort features and additional special protective treatments. The 4530 has the added benefit of a “limited flame spread resistance” (FSR) treatment, while the 4530+ treatment helps to give it an improved repellence to some alcohols and oils.

Typical Applications*:

Popular Choice

- + Cement manufacturing
- + Metal grinding and polishing
- + Oil & Gas industry
- + Machine maintenance
- + Light industrial cleaning

Suitable for consideration

- + Asbestos inspection
- + Site preparation and insulation
- + Asbestos removal
- + Pharmaceutical processing
- + Handling toxic powders
- + Painting and coating
- + Resin applications

Key Features:

- + Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6)
- + Limited flame spread resistance to ISO 14116 / EN 533 Index 1/0 (4530 only)
- + Alcohol and oil repellency treatment (4530+ only)
- + Highly breathable SMMMS material.
- + 2-way zipper with sealable storm flap for added on-off convenience and extra protection
- + Knitted cuffs and elastic waist and ankles for a better fit and freedom of movement
- + Low-linting
- + Anti-static treatment
- + Available in blue (with white triangle) and white



3M™ Protective Coverall 4530+ Type 5/6

Colour: blue with white back panel, and plain white
CE Category III
Sizes: S-4XL

3M™ Protective Coverall 4530 Type 5/6

Colour: blue with white back panel
CE Category III
Sizes: M, L, XL, XXL



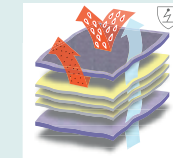
(4530 material only)

Fabric Material

4530



4530+



With 3 layers of melt-blown polypropylene in between 2 layers of spun bond polypropylene (SMMMS), the 4530 and 4530+ fabrics allow airflow, increasing breathability, reducing heat stress and improving comfort. The three melt blown layers are inserted with hot air and act as a barrier while the two outer spun bond layers make the coverall soft and breathable.

For the 4530, the additional flame spread resistance treatment enables the product to give limited flame spread protection (ISO1146 / EN 533 Index 1) when worn over an Index 2 or 3 garment. This may extend the life of the more expensive thermal protective garments.



With the 4530+ the addition of the alcohol and oil repellency treatment, encourages the oil to sit up on the surface rather than immediately soaking through.



3M™ Protective Coverall 4535

If you're looking for a balance of protection, durability and additional comfort, look no further than the 4535 coverall. Certified to PPE Directive Category III, Type 5/6 protection, it utilises a dual material design with added comfort features to optimise wearer acceptance.

Typical Applications*:

Popular Choice

- + Coating & resin applications
- + Light industrial cleaning
- + Machine maintenance
- + Paint spraying & powder coating

Suitable for consideration

- + Asbestos inspection and removal
- + Site preparation, insulation.
- + Cement manufacturing
- + Grinding & polishing
- + Pharmaceutical processing and handling toxic powders

Key Features:

- + Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6)
- + Robust, very low-linting laminated microporous material
- + Extra large breathable back panel for improved air circulation and reduced heat stress
- + 2-way zipper with storm flap for added on-off convenience and extra protection
- + Knitted cuffs with elasticated waist and ankles for increased comfort and freedom of movement
- + Low-linting
- + Anti-static treatment



3M™ Protective Coverall 4535 Type 5/6

Colour: blue with white

CE Category III

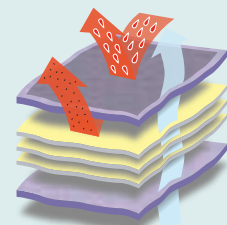
Sizes: S-3XL



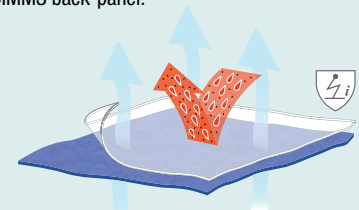
Fabric Material

The 4535 front combines a high quality polyethylene laminate providing an excellent barrier, on top of a layer of soft, spunbond polypropylene fibres creating a robust, yet comfortable 55gsm protective fabric

The large blue back panel is made from 5 layers of spunbond and meltblown polypropylene giving excellent breathability, whilst maintaining the Type 5/6 level of protection.



SMMMS back-panel.



Microporous laminate fabric.

3M™ Protective Coveralls



3M™ Protective Coverall 4540+

With dual material technology and offering CE Category III, Type 5/6 protection, the 4540+ is ideal for applications where both high levels of protective performance and comfort are desired.

Typical Applications*:

Popular Choice

- + Paint spraying & powder coating
- + Coating & resin applications
- + Light industrial cleaning
- + Machine maintenance

Suitable for consideration

- + Asbestos inspection and removal
- + Site preparation, insulation.
- + Cement manufacturing
- + Grinding & polishing
- + Pharmaceutical processing and handling toxic powders

Key Features:

- + Excellent barrier against dry particles and certain liquid chemical splash (CE Type 5/6)
- + Soft and light, ultra low-linting laminated microporous material that drapes and hangs well over the body facilitating ease of movement
- + Back panel made of breathable SMMMS material for improved air circulation and reduced heat stress
- + 2-way zipper with fully sealable storm flap for added on-off convenience and extra protection
- + 3-panel hood design for enhanced compatibility with complimentary PPE
- + Knitted cuffs and elasticated waist and ankles for increased comfort and freedom of movement
- + Anti-static
- + Low linting



3M™ Protective Coverall 4540+ Type 5/6

Colour: white with blue back panel

CE Category III

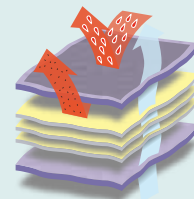
Sizes: S-4XL



Fabric Material

The 4540+ material is made using a composite layer of soft, spunbond fibres and a layer of light, but high quality polyethylene laminate film giving excellent levels of barrier efficiency and protection.

The blue back panel is made from 5 layers of spunbond and meltblown polypropylene giving excellent breathability, whilst maintaining the Type 5/6 level of protection.



SMMMS back-panel.



Microporous laminate fabric.



3M™ Protective Coverall 4545

The 4545 may be soft on the inside, but its tough on the outside - the suit is designed to be comfortable but highly protective to PPE Directive Category III, Type 5/6 standards. Certified to also protect against radioactive particles and biological agents and reduce build up of static charge. Whilst also being very low linting, it is suitable for a wide range of applications including within many cleanrooms.

Typical Applications:

Popular Choice

- + Light industrial cleaning
- + Machine maintenance
- + Paint spraying & powder coating
- + Coating & resin applications
- + Cleanrooms
- + Crime scene investigation

Suitable for consideration

- + Asbestos inspection and removal
- + Site preparation, insulation.
- + Cement manufacturing
- + Grinding & polishing
- + Pharmaceutical processing and handling toxic powders

Key Features:

- + Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6)
- + Biological protection tested to EN 14126
- + Soft, well-draping, laminated microporous material
- + 2-way zipper with sealable storm flap for added on-off convenience and extra protection
- + Knitted cuffs with elasticated waist and ankles for increased comfort and freedom of movement
- + Very low-linting
- + Anti-static treatment
- + Supplied in space saving vacuum packaging



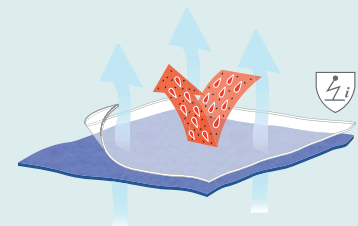
3M™ Protective Coverall 4545 Type 5-B/6-B

Colour: white
CE Category III
Sizes: S-4XL



Fabric Material

The 4545 material is up to 20% lighter than previous 3M polyethylene laminate materials and made using a composite layer of soft, spunbond fibres and a layer of light, but high quality polyethylene laminate film with an anti-static treatment, giving excellent levels of barrier efficiency and liquid protection.



3M™ Protective Coveralls



3M™ Protective Coverall 4565

Offering CE Category III, Type 4/5/6 protection, the 4565 has an impressive level of liquid barrier protection whilst maintaining its unique soft feel and well-fitting drape.

Typical Applications*:

Popular Choice

- + Asbestos removal
- + Pharmaceutical processing
- + Handling toxic powders
- + Cleanrooms
- + Pesticide Spraying

Suitable for consideration

- + Asbestos inspection
- + Site preparation, insulation
- + Cement manufacturing
- + Grinding & polishing
- + Industrial cleaning and maintenance
- + Painting & coating, resins

Features and Benefits:

- + Excellent barrier against dry particles, liquid certain chemical splash and spray (CE Type 4/5/6)
- + Taped seams across the suit for better protection and increased durability
- + Biological protection tested to EN 14126
- + 2-way zipper with fully sealable storm flap for added on-off convenience and extra protection
- + 3-panel hood design for enhanced compatibility with complimentary PPE
- + Knitted cuffs and elasticated waist and ankles for increased comfort and freedom of movement
- + Anti-static
- + Ultra-Low linting



3M™ Protective Coverall 4565 Type 4-B/5-B/6-B

Colour: white with red seams

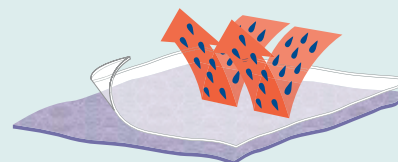
CE Category III

Sizes: S-4XL



Fabric Material

20% lighter than previous 3M polyethylene laminate materials, the 4565 combines a composite base of nonwoven fibres and a polyethylene film giving good barrier efficiency against many hazardous liquids. The laminate is also ultra-low linting and anti-static treated making it suitable for a wide variety of potentially hazardous applications.





3M™ Protective Coverall 4570

The 4570 is a high performance chemical protective suit, certified to PPE Directive Category III, Type 3/4/5/6 levels of protection, making it suitable to protect against a range of chemical jets and sprays. With additional design features including an enlarged zip and finger loops, a double-closing storm flap system and chin flap, convenience of use can be offered without compromising the high level of protection offered.

Typical Applications*:

Popular Choice

- + Chemical mixing and handling
- + Chemical / oil spills and clean up
- + Hazardous waste remediation
- + Decontamination
- + Tank cleaning

Suitable for consideration

- + Pesticide spraying
- + Emergency Response

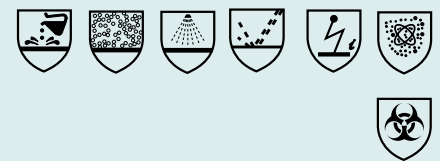
Key Features:

- + Excellent barrier for jet spray and liquid tight chemical protection (CE Type 3/4)
- + Biological / infective agent protection (EN 14126)
- + Double front closing system with internal stormflaps for extra protection
- + Large zip for ease of use
- + Elasticated cuffs with thumb loops for secure fit during overhead work
- + Elasticated waist and ankles for increased comfort and freedom of movement
- + Adhesive chin flap
- + Very low-linting
- + Anti-static



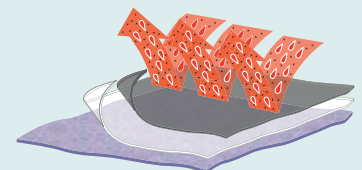
3M™ Protective Coverall 4570 Type 3-B/4-B/5-B/6-B

Colour: grey
CE Category III
Sizes: S-4XL



Fabric Material

The 4570 uses a heavy-duty material blending a soft inner layer of spun bond fibres with multiple outer layers of a high performance anti-static treated polyethylene laminate, to offer a high level of liquid protection.



3M™ Protective Coveralls

Accessories

Lab Coats

3M™ Lab Coat 4440

- Made of the same laminated material as the Type 5/6 coveralls (3M 4535) for dust and splash protection
- Knitted cuffs
- Zip fastener



3M™ Lab Coat 4430

- Made of the same SMMMS material as the Type 5/6 coveralls (3M 4530+) for dust and splash protection
- Breathable material with treatment to improve repellency to oil and alcohol based liquids
- Zip fastener



3M™ Lab Coat 4400

- Made of 100% polypropylene
- Breathable and lightweight
- Zip fastener
- Available in blue and white



Overboots

3M™ Overboot Cover 450



Slip Resistant Sole

3M™ Overboot Cover 440



Standard Sole

- Elastic at the calf
- Universal size with ties to help provide a good fit
- Made of the same laminated material as the Type 5/6 coveralls (3M 4535)
- Sole designed to reduce risk of slipping (450 only)

Overshoes

3M™ Overshoe 442



- Made of the same laminated material as the Type 5/6 coveralls (3M 4535)
- Elastic at ankle

3M™ Overshoe 402



- General non-hazardous substance protection
- Print on base to reduce risk of slipping
- Elastic at ankle

Oversleeves

3M™ Oversleeve 444



- Made of the same laminated material as the Type 5/6 coveralls (3M 4510)
- 16 inch length covering wrist to top of arm
- Elastic finish on top end
- Knitted cuffs (445 only)

3M™ Oversleeve 445



Head Wear

3M™ Overhood 446



- Made of the same laminated material as the Type 5/6 coveralls
- Anti-static treated
- Drapes over the shoulders offering excellent coverage

3M™ Mob Cap 407



- Hygiene protection preventing contamination from hair in the working environment
- Universal size



Product Selector*



3M	4500	4505	4510	4515	4520	4530	4530+	4535	4540+	4545	4565	4570
CE Certification**	CATEGORY 1	CATEGORY 1	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2** EN533/ISO 14116 Index 1***	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5** EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5** EN 1073-2**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2** EN 14126**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2** EN 14126** EN 14126**	CATEGORY 3 TYPE 6 EN 13034 TYPE 5 EN ISO 13982-1 EN 1149-5 EN 1073-2** EN 14126**
Material Weight	45gsm	67gsm	47gsm	50gsm	43gsm	55gsm	47gsm	55gsm	49gsm	49gsm	49gsm	92gsm
Sizes	S-4XL	S-4XL	S-4XL	S-4XL	S-4XL	M-XXL	S-4XL	S-3XL	S-4XL	S-4XL	S-4XL	S-4XL
Colours												

Light-duty cleaning, warehousing, janitorial	●	●		●								
Asbestos Inspection, site preparation, insulation			●	●	●	●	●	●	●	●	●	
Asbestos removal			●	●	●	●	●	●	●	●	●	
Cement manufacturing, metal grinding & polishing			●	●	●	●	●	●	●	●	●	
Light industrial cleaning, machine maintenance			●	●	●	●	●	●	●	●	●	
Pharmaceutical processing, handling toxic powders			●		●	●	●	●	●	●	●	
Painting & coating, resins			●				●	●	●	●	●	
Cleanrooms			●							●	●	
Pesticide spraying											●	●
Chemical mixing and handling											●	●
Chemical spills, emergency response, decontamination, tank cleaning												●

- Popular choice
- Suitable for consideration

*In all cases, product selection should be based on a full risk assessment. Always read product user information. Use limitations and performance data should be considered to ascertain the protection required. If in doubt, contact a safety professional. This guide is only an outline. It should not be used as the only means for selecting protective clothing. Details regarding performance and limitations are set out on the packaging and user instructions. 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 or 3M – www.3m.eu/safety. Always check the compatibility of the suit material before selection. Please note that the personal protective equipment (PPE) shown highlight some of the products which may be considered. Sections of the most appropriate PPE will depend on the particular situation and should be made only by a competent person knowledgeable of the actual working conditions and the limitations of PPE.

**See user instructions or technical datasheets for full details.

***Material meets standard requirements.