



## 3M™ Protective Coverall 4535

The 3M™ Protective Coverall 4535 is designed to help protect against hazardous dusts (Type 5) and certain light liquid splashes (Type 6).

### Key Features

- Good protection against dusts and certain light liquid splashes
- Fabric has an anti-static treatment
- Elasticated waist and ankles for convenience and freedom of movement and knitted cuffs for extra comfort
- Two-way zipper for user convenience
- Low linting
- Reinforced gusset
- Large breathable back panel for reduced heat stress and increased comfort

### Comfort and Protection



**Liquid Protection** Type 6 - Light Liquid Splashes (EN 13034:2005 + A1:2009)



**Dust Protection** Type 5 - Solid Airborne Particulates (EN ISO 13982-1:2004 +A1:2010)



**Anti-static** Anti-static treatment\* on both sides



**Nuclear** Radioactive particulates (EN 1073-2:2002) Class 1

Except EN863 puncture resistance. Does not offer protection against radiation.  
\* All apparel must be suitably grounded for anti-static treatment to be effective.

### Approvals

CE approved under PPE Directive (89/686/ECC), Category III

Certificate under Article 10, EC Type-Examination, by BTTG Testing & Certification Ltd., Notified Body Number 0338

Certificate under Article 11, EC quality control, issued SGS United Kingdom Ltd., Notified Body Number 0120

### Materials

**Suit** Polypropylene & Polyethylene Laminate (white)

**Back Panel** SMMMS Polypropylene (blue)

**Zipper** Metal / Nylon / Polyester Braid

**Elastic** Synthetic Rubber

**Cuffs** Polyester

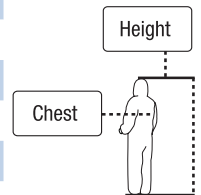
**Thread** Polyester / Cotton

This product does not contain components made from natural rubber latex.

### Sizing

An appropriate size garment should be selected to allow sufficient movement for the task.

	Height		Chest	
<b>S</b>	64 – 67 in	164 – 170 cm	33 – 36 in	84 – 92 cm
<b>M</b>	66 – 69 in	167 – 176 cm	36 – 39 in	92 – 100 cm
<b>L</b>	69 – 71 in	174 – 181 cm	39 – 43 in	100 – 108 cm
<b>XL</b>	70 – 74 in	179 – 187 cm	43 – 45 in	108 – 115 cm
<b>XXL</b>	73 – 76 in	186 – 194 cm	45 – 49 in	115 – 124 cm
<b>3XL</b>	76 – 78 in	194 – 200 cm	49 – 52 in	124 – 132 cm
<b>4XL</b>	78 – 81 in	200 – 206 cm	52 – 55 in	132 – 140 cm



### Storage and Disposal

- Store in dry, clean conditions in original packaging
- Store away from direct sunlight, sources of high temperature and solvent vapours
- Store within the temperature range -20°C to +25°C (-4°F to +68°F) and with relative humidity below 80%
- Shelf life is three years from date of manufacture when stored as stated above
- Replace garments if damaged, heavily contaminated or in accordance with local work practice
- Handle and dispose of contaminated garments with care and in accordance with applicable regulations

### Storage and Disposal



Do not wash



Do not dry clean



Do not bleach



Flammable – keep away from sparks or flames



Do not iron



Single use – do not re-use



Do not tumble dry

### Warnings and Limitations

Before use read and understand all user instructions and be sure that the product is suitable for the application and fitted correctly. Product must never be altered or modified.

Do not use for:

- Contact with heavy oils, sparks or flame, or combustible liquids
- Environments with high mechanical risks (abrasions, tears, cuts)
- Contact with hazardous substances beyond Type 5/6 certification
- Environments with conditions of excessive heat.

## Applications and Performance

<b>Non-Hazardous Particulates</b>	Yes
<b>Hazardous Liquid Splash</b>	Yes if chemical is compatible with suit material†
<b>Non-Hazardous Liquid Splash</b>	Yes
<b>Hazardous Liquid Spray</b>	No
<b>Hazardous Dusts and Fibres</b>	Yes
<b>Organic Solvents</b>	No
<b>Liquid Continuous Contact/Immersion</b>	No
<b>Acids/Alkalis</b>	Yes if chemical is compatible with suit material†
<b>Gases and Vapours</b>	No

† The chemicals against which the product has been tested and certified are listed in the user instructions. For additional chemical penetration data, please call your local 3M Technical Service Representative.

Tested against a range of proprietary paint shop products with good results showing no penetration.

Test	Standard/Test Method	Class**/ Result
Abrasion resistance (visual assessment)	EN 530:1994	Class 1
Flex cracking (visual assessment)	ISO 7854:1995	Class 5
Tear resistance	ISO 9073-4:1997	Class 1
Tensile strength	ISO 13934-1:1999	Class 1
Puncture resistance	EN 863:1995	Class 1
Resistance to ignition	EN 13274-4:2001	Pass
Bursting resistance	ISO 13938-1:1999	Class 1
Resistance to blocking	EN 25978:1990	No Blocking
Seam strength	EN ISO 13935-2:1999	Class 2
Repellency to liquids – 30% H <sub>2</sub> SO <sub>4</sub>	EN ISO 6530:2005	Class 3
Liquid penetration resistance – 30% H <sub>2</sub> SO <sub>4</sub>	EN ISO 6530:2005	Class 3
Repellency to liquids – 10% NaOH	EN ISO 6530:2005	Class 3
Liquid penetration resistance – 10% NaOH	EN ISO 6530:2005	Class 3
Radioactive particulates (TIL)	EN 1073-2:2002	Class 1 of 3

\*\* The maximum Class is 6 unless otherwise noted. For additional technical data please contact 3M.

**For more information on 3M products and services please contact 3M.**

### 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.

LIMITATION OF LIABILITY: Except as provided above, 3M shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential arising out of the sale, use or misuse of 3M PSD products, or the user's inability to use such products.

Typical applications may include welding, paint spraying, powder handling, light-duty maintenance, building cleaning, metal grinding or polishing and woodworking.

In all cases, a risk assessment should be carried out. 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.

The table below shows the performance of this product when tested under laboratory conditions. Please note that the tests may not reflect the reality of use and do not account for factors such as excessive heat and mechanical wear.



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