



3M™ Protective Coverall 4530

The 3M™ Protective Coverall 4530 is designed for protection against dusts (Type 5) and light liquid splashes (Type 6).

Key Features

- Breathable SMMS material for reduced heat stress and comfortable wear
- Elasticated waist and ankles for convenience and freedom of movement
- Three panel hood designed to give a better fit when worn with 3M eyewear and respirators
- Knitted cuffs for increased comfort
- Two-way zipper with sealable storm flap
- Fabric is treated to provide limited Flame Spread Resistance (FSR) when worn over an Index 2/3 garment
- Enhanced Triangular gusset

Comfort and Protection



Liquid Protection Type 6 (EN 13034:2005 +A1:2009).
Whole suit reduced spray test.



Dust Protection Type 5 (EN ISO 13982-1:2004 +A1:2010).
Inward Leakage results: Ljmn,82/90 < 30 %;
LS,8/10 < 15 %.



Anti-static Anti-static coating on both sides
(EN 1149-1:2006).*

Flame Resistance Limited protection against flame spread.
Material has been tested to ISO 15025:2000 &
complies with ISO 14116:2008 requirements for
limited flame spread resistance Index 1.**



Nuclear Radioactive particulates (EN1073-2:2002)
Class 1

⚠ Except EN863 puncture resistance. Does not offer protection against radiation.

* All apparel must be grounded for anti-static treatment to be effective.
Electrostatic propensity may decrease with wearing time and/or severe conditions.

** Must be worn over an Index 2 or 3 garments and must not be worn next to skin.

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 | SMMS Polypropylene, Blue |
| Back Panel | SMMS Polypropylene, White |
| Zipper | Nylon on Polyester Braid |
| Elastic | Synthetic Rubber |
| Cuffs | Polyester |
| Thread | Polyester |

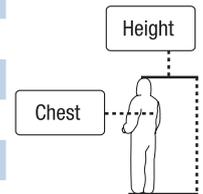
This product does not contain components made from natural rubber latex.

The Power to Protect Your WorldSM

Sizing

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

| | Height | | Chest | |
|------------|------------|--------------|------------|--------------|
| S | 64 – 67 in | 164 – 170 cm | 33 – 36 in | 84 – 92 cm |
| M | 66 – 69 in | 167 – 176 cm | 36 – 39 in | 92 – 100 cm |
| L | 69 – 71 in | 174 – 181 cm | 39 – 43 in | 100 – 108 cm |
| XL | 70 – 74 in | 179 – 187 cm | 43 – 45 in | 108 – 115 cm |
| XXL | 73 – 76 in | 186 – 194 cm | 45 – 49 in | 115 – 124 cm |
| 3XL | 76 – 78 in | 194 – 200 cm | 49 – 52 in | 124 – 132 cm |
| 4XL | 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 flames, see user instructions**.

Material complies with ISO 14116 for Index 1 flame spread resistance



Do not iron



Single use – do not re-use



Do not tumble dry

Use Limitations

Do not use for:

- Contact with heavy oils, or combustible liquids
- Environments with high mechanical risks (abrasion, tear, cuts)
- Environments with exposure to hazardous substances beyond CE Type 5/6 certification
- Primary protection from heat and flame. Must be worn over ISO 14116 Index 2 or 3 garments, and not worn next to skin when flame resistance is needed



Applications and Performance

| | |
|--|---|
| Non-Hazardous Particulates | Yes |
| Hazardous Liquid Splash | Yes |
| Hazardous Dusts and Fibres | Yes |
| Liquid Continuous Contact/Immersion | No |
| Gases and Vapours | No |
| Hazardous Particulates | Yes, if chemical is compatible with suit material† |
| Hazardous Liquid Spray | No |
| Organic Solvents | No |
| Acids/Alkalis | Yes if chemical is compatible with suit material† |
| Heat and Flame | Limited protection (excluding any component parts such as elastics, cuffs, bindings and threads) must be worn over Index 2 or 3 garments, must not be worn next to skin |

† For additional chemical penetration data, please contact 3M.

| Test | Standard | Class**/ Result |
|--|----------------|-----------------|
| Abrasion | EN 530 | Class 1 |
| Flex cracking | ISO 7854 | Class 5 |
| Tear resistance | ISO 9073-4 | Class 1 |
| Tensile strength | EN ISO 13934-1 | Class 1 |
| Puncture resistance | EN 863 | Class 1 |
| Resistance to ignition | EN 13274-4 | Pass |
| Seam strength | EN ISO 13935-2 | Class 2 |
| Repellency to liquids – 30% H ₂ SO ₄ | EN ISO 6530 | Class 3/3 |
| Liquid penetration resistance – 30% H ₂ SO ₄ | EN ISO 6530 | Class 3/3 |
| Repellency to liquids – 10% NaOH | EN ISO 6530 | Class 3/3 |
| Liquid penetration resistance – 10% NaOH | EN ISO 6530 | Class 3/3 |
| Anti-static coating on both sides | EN 1149-1 | Pass |

** 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

Any sale of 3M goods and services will be subject to 3M Standard Conditions of Sale. The user is responsible for determining the suitability of the products for their intended use.

Typical applications may include welding, 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 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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