

4530

Technical Datasheet



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 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
- Limited protection against heat and flame
- Reinforced gusset

Approvals

CE approved under PPE Directive (89/686/ECC), Category III
CE Certificate Issue and Article 11B Supervision: SGS United Kingdom, LTD.
Notified Body Number: 0120.

Comfort and Protection



Liquid Protection Type 6 (EN 13034). Whole suit reduced spray test.



Dust Protection Type 5 (EN ISO 13982-1). Inward Leakage results: $L_{jmn,82/90} < 30\%$; $L_{s,8/10} < 15\%$.



Anti-static Anti-static coating on both sides (EN 1149-1:1995).*



Flame Resistance Limited protection against heat and flame (EN 533:1997). Index 1/0**

* 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.

Materials

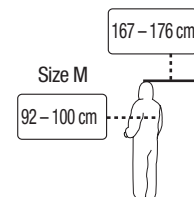
Suit	SMMS Polypropylene, Blue
Back Panel	SMMS Polypropylene, White
Zipper	Nylon on Polyester Braid
Elastic	Neoprene Rubber
Cuffs	Polyester
Thread	Polyester

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

Sizing

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

	Height	Chest
M	167 – 176 cm	92 – 100 cm
L	174 – 181 cm	100 – 108 cm
XL	179 – 187 cm	108 – 115 cm
XXL	186 – 194 cm	115 – 124 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 National regulations



Do not wash



Do not dry-clean



Do not bleach



Flammable-keep away from sparks or flames



Do not iron



Single Use



Do not tumble dry

Use Limitations

Do not use for:

- Contact with heavy oils, or combustible liquids
- Exposure situations resulting in spray or liquid build-up on the suit
- 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 an EN 533 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, if chemical is compatible with suit material*
Non-Hazardous Liquid Splash	Yes	Hazardous Liquid Spray	No
Hazardous Dusts and Fibres	Yes	Organic Solvents	No
Liquid Continuous Contact/ Immersion	No	Acids/Alkalis	Yes, if chemical is compatible with suit material*
Gases and Vapours	No	Heat and Flame	Limited protection (excluding cuffs) must be worn over Index 2 or 3 garments, must not be worn next to skin

* For additional chemical penetration data, please contact 3M or visit www.3m.eu/ChemTest.

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 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.

Test	Standard	Class**/Result
Abrasion	EN 530	1
Flex cracking	ISO 7854	6
Tear resistance	ISO 9073-4	2
Tensile strength	ISO 13934-1	2
Puncture resistance	EN 863	1
Resistance to ignition	EN 13274-4	Pass
Seam strength	EN ISO 13935-2	3
Repellency to liquids - 30% H ₂ SO ₄	EN 368	3
Liquid penetration resistance - 30% H ₂ SO ₅	EN 368	3
Repellency to liquids - 10% NaOH	EN 368	3
Liquid penetration resistance - 10% NaOH	EN 368	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 or visit www.3m.eu/ChemTest

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.



3M Occupational Health & Safety Division EMEA Region

3M Centre
Cain Road
Bracknell
Berkshire RG12 8HT
United Kingdom
Tel: + 44 (0) 1344 858000
Web: www.3m.eu/Safety

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