

4565

Technical Datasheet



3M™ Protective Coverall 4565

The 3M™ Protective Coverall 4565 is designed for protection against hazardous dusts (Type 5), liquid splashes (Type 6), and low pressure liquid sprays (Type 4).

Key Features

- Excellent protection against dusts, liquid splashes and low pressure sprays
- Taped seams for additional protection
- Elasticated waist and ankles for convenience and freedom of movement
- Elasticated hood with three panel design
- Knitted cuffs for increased comfort
- Two-way zipper with sealable storm flap
- Offers protection against biohazards (see class data)
- Low linting

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 4 (EN 14605) and Type 6 (EN 13034).
Whole suit full and reduced spray test (EN ISO 17491-4)



Dust Protection

Type 5 (EN ISO 13982-1).
Inward Leakage results: $L_{\text{min},82/90} < 30\%$;
 $L_{\text{S},8/10} < 15\%$. $LS_{8/10} < 15\%$.



Anti-static

Anti-static coating on both sides (EN 1149-5:2008).*



Nuclear

Radioactive particulates (EN 1073-2:2002), Class 2. Does not offer protection against radiation.



Biohazard

Tested according to EN 14126:2003 (see class data in test table)

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

Materials

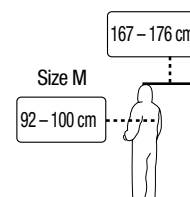
Suit	Laminated Polypropylene, White
Zipper	Nylon on Polyester Braid
Elastic	Neoprene Rubber
Cuffs	Polyester
Thread	Polyester
Seams	Polypropylene

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 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

Product must never be altered or modified

Use Limitations

Do not use for:

- Contact with heavy oils, sparks or flame or combustible liquids
- Exposure situations resulting in directional spray or liquid build-up on the suit
- Environments with high mechanical risks (abrasions, tears, cuts)
- Environments with exposure to hazardous substances beyond CE Type 4/5/6 certification
- Environments with conditions of excessive heat

Applications and Performance

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

* Contact 3M or visit www.3M.eu/ChemTest for additional chemical penetration and permeation data.

Typical applications may include asbestos handling, paint spraying, agriculture, pharmaceutical manufacturing, healthcare and chemical mixing and handling.

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	1
Tear resistance	ISO 9073-4	2
Tensile strength	ISO 13934-1	1
Puncture resistance	EN 863	1
Bursting resistance	ISO 13938-1	1
Resistance to ignition	EN 13274-4	Pass
Seam strength	EN ISO 13935-2	2
Chemical permeation resistance - 10% NaOH (material)	EN 374-3	6
Chemical permeation resistance - 10% NaOH (seams)	EN 374-3	6
Repellency to liquids - 30% H ₂ SO ₄	EN ISO 6530	3
Liquid penetration resistance - 30% H ₂ SO ₅	EN ISO 6530	3
Repellency to liquids - 10% NaOH	EN ISO 6530	3
Liquid penetration resistance - 10% NaOH	EN ISO 6530	3
Anti-static coating on both sides	EN 1149-1	Pass
Radioactive particulates	EN 1073-2	1 of 3
Synthetic blood penetration resistance	ISO 16603	6
Blood-borne pathogen penetration resistance	ISO 16604	0
Contaminated solid particle penetration resistance	EN ISO 22612	3 of 3
Contaminated liquid aerosol penetration resistance	EN ISO 22611	3 of 3
Wet bacteria penetration resistance	EN ISO 22610	6

** The maximum Class is 6 unless otherwise stated.

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.



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