

3M™ Protective Coverall 4565

Technical Data Sheet



Description

The 3M™ Protective Coverall 4565 is designed to help protect against hazardous dusts (Type 5), certain light liquid splashes (Type 6), and certain light liquid sprays (Type 4).

Comfort & Protection



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



Liquid Protection Type 4 - Liquid Spray (EN 14605:2005 + A1:2009)



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



Anti-Static Anti-static coating on both sides of material (EN 1149-5:2008)¹



Nuclear Radioactive particulates Class 2 (EN 1073-2:2002 except EN 863 Puncture and EN13274 Resistance to Ignition)



Biohazard Types 4-B, 5-B and 6-B - Infective Agents (EN 14126:2003)

1. All apparel must be suitably grounded for anti-static treatment to be effective.

Features & Benefits:

- Excellent barrier against dry particles and certain liquid chemical splash and spray
- 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
- 3-panel hood design
- Knitted cuffs and elasticated waist and ankles
- Ultra-low linting

Approvals

These products are type examined by SATRA, Notified body number 2777 and audited by SGS, No. 0598.

These products are CE marked to the requirements of European Regulation (EU) 2016/425. Determine applicable legislation by reviewing Certificates and Declarations of Conformity at www.3m.com/Body/certs.



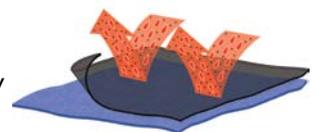
Materials

Component	Material
Suit	Polypropylene and polyethylene laminate 55gsm
Zipper	Metal/nylon/polyester braid
Elastic	Neoprene Rubber
Cuffs	Polyester
Thread	Polyester /cotton
Seams	Polyester, red

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

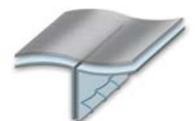
Fabric material

3M™ protective coverall 4565 combines a composite base of non woven 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 applications.



Seam Technology

Seams are stitched and over taped with a red protective tape to offer increased seam strength and an effective barrier to liquids and particulates.



Sizing²

An appropriate size garment should be selected to allow sufficient movement for the task whilst maintaining a secure fit.

Size	Height		Chest	
M (Only in AUS)	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 (Only in NZ)	78 – 81 in	200 – 206 cm	52 – 55 in	132 – 140 cm

2. The values above are the result of illustrative lab test measures and should not be considered as a commitment from 3M.

Applications

Non-Hazardous Particulates	Yes
Non-Hazardous Liquid Splash	Yes
Non-Hazardous Liquid Spray	Yes
Hazardous Dusts and Fibres	Yes
Liquid Continuous Contact/ Immersion	No
Gases and Vapours	No
Hazardous Liquid Splash	Yes, if chemical is compatible with suit material ³
Hazardous Liquid Spray	Yes, if chemical is compatible with suit material ³
Organic Solvents	Yes, if chemical is compatible with suit material ³
Acids/ Alkalis	Yes, if chemical is compatible with suit material ³

3. The chemicals against which the product has been tested and certified are listed in the user instructions and shown in the following table. For additional chemical penetration data, please call your local 3M Technical Service Representative or visit the 3M Chemical Test Library on <http://go.3M.com/CHTL>

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.

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

Performance

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

Note: The maximum Class is 6 unless otherwise noted.

Test	Standard/Test Method	Class/Result
Abrasion resistance	EN 530:2010	Class 1
Flex cracking	ISO 7854:1995	Class 5
Tear resistance	ISO 9073-4:1997	Class 1
Tensile strength	EN ISO 13934-1:1999	Class 1
Puncture resistance	EN 863:1995	Class 1
Bursting resistance	ISO 13938-1	Class 1
Resistance to blocking	EN 25978:1990	No Blocking
Seam strength	EN ISO 13935-2:1999	Class 1
Repellency to liquids – 30% H ₂ SO ₄ Sulfuric Acid	EN ISO 6530:2005	Class 3 of 3
Liquid penetration resistance – 30% H ₂ SO ₄ Sulfuric Acid	EN ISO 6530:2005	Class 3 of 3
Repellency to liquids – 10% NaOH Sodium Hydroxide	EN ISO 6530:2005	Class 3 of 3
Liquid penetration resistance – 10% NaOH Sodium Hydroxide	EN ISO 6530:2005	Class 3 of 3
Anti-static coating on both sides	EN 1149-1:2006	Pass
Radioactive particulates (TIL)	EN 1073-2:2002	Class 2 of 3
Biological protection	EN 14126:2003	
Synthetic blood penetration resistance	ISO 16603:2004	Pass 20kPa
Blood-borne pathogen penetration resistance	ISO 16604:2004	Class 6
Contaminated solid particle penetration resistance	EN ISO 22612:2005	Class 3 of 3
Contaminated liquid aerosol penetration resistance	ISO/DIS 22611:2003	Class 3 of 3
Wet bacteria penetration resistance	EN ISO 22610:2006	Class 6

Visit the 3M Chemical Test Library for an online repository of available chemical data for 3M™ Protective Coveralls:

<https://3m-chemical-test-library.com/#/en/EU>

Storage and Disposal

- Store in dry, clean conditions in original packaging, away from direct sunlight, sources of high temperature, and solvent vapours
- Store within the temperature range -20°C to +25°C (-4°F to +77°F) and with relative humidity below 80%
- Expected shelf life is seven (7) years from date of manufacture when stored as stated⁴
- Replace garments if damaged, heavily contaminated or in accordance with local work practice or regulations
- Handle and dispose of contaminated garments with care and in accordance with applicable regulations

4. The shelf life as defined above remains an indicative and maximum data, subject to many external and non-controllable factors. It may never be interpreted as a warranty.

Limited Use



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 4/5/6 certification;
- Environments with conditions of excessive heat.

Ordering Information

3M Code	Model #	Description
GT700001131	4565	Coverall White/Red type 4/5/6 Size M (Only in AUS)
GT700001149	4565	Coverall White/Red type 4/5/6 Size L
GT700001156	4565	Coverall White/Red type 4/5/6 Size XL
GT700001164	4565	Coverall White/Red type 4/5/6 Size XXL
GT700001172	4565	Coverall White/Red type 4/5/6 Size 3XL
GT700001180	4565	Coverall White/Red type 4/5/6 Size 4XL (Only in NZ)

Important Notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.



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