

# 3M™ Protective Coverall 4515

## Technical Data Sheet

### Description

The 3M™ Protective Coverall 4515 is an economic solution to protect from hazardous dusts such as asbestos fibres exposed to during site inspection. While protecting on the outside, the breathable material allows air to escape from the inside to reduce heat build-up and discomfort. Available in white, blue and orange, the range is certified as CE Type 5/6 for both hazardous dusts and liquid splashes.

### Comfort & 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)



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

### Features & Benefits:

- Excellent barrier against dry particles and limited liquid splash (CE Type 5/6)
- Meets inward leakage requirements of EN 1073-2 for protection against nuclear particles
- Robust, highly breathable 50gsm SMS material
- 2-way zipper with storm flap for added on-off convenience and extra protection
- Elastic cuffs, waist and ankles for a better fit and freedom of movement
- Low-linting
- Available in white, blue and orange

### Standards

These products are type examined by SATRA Technology Europe Ltd., Notified body number 2777 and audited annually by SGS, Notified Body number 0598.



### Materials

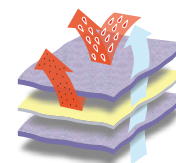
The following materials are used in the manufacture of this product.

| Component | Material                                                          |
|-----------|-------------------------------------------------------------------|
| Suit      | SMS Polypropylene 50gsm (standard material on all colour options) |
| Zipper    | Nylon on Polyester Braid                                          |
| Elastic   | Synthetic Rubber (non-latex)                                      |
| Thread    | Polyester/ Cotton                                                 |

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

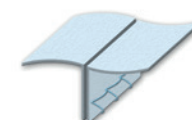
#### Fabric material

The material used in the 3M protective coverall 4515 sandwiches a single thick filtering layer of melt-blown polypropylene between two thinner layers of softer spun bond polypropylene delivering a finished durable, breathable 50gsm protective material that aides air flow to reduce heat stress and improve comfort.



#### Seam Technology

Seams are serged for Type 5/6 protection.



## Sizing<sup>1</sup>

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

| Size             | Height     |              | Chest      |              |
|------------------|------------|--------------|------------|--------------|
| 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 <sup>#</sup> | 78 – 81 in | 200 – 206 cm | 52 – 55 in | 132 – 140 cm |

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

# For Blue only

## Applications

|                                         |                                                                |
|-----------------------------------------|----------------------------------------------------------------|
| Non-Hazardous Particulates              | Yes                                                            |
| Non-Hazardous Liquid Splash             | Yes                                                            |
| Hazardous Dusts and Fibres              | Yes                                                            |
| Liquid Continuous Contact/<br>Immersion | No                                                             |
| Gases and Vapours                       | No                                                             |
| Hazardous Liquid Splash                 | Yes, if chemical is compatible with suit material <sup>2</sup> |
| Hazardous Liquid Spray                  | No                                                             |
| Organic Solvents                        | No                                                             |
| Acids/ Alkalis                          | Yes, if chemical is compatible with suit material <sup>2</sup> |

2. 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>

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 tables show the performance of this product when tested under laboratory conditions in accordance with the referenced standard test method.

Note: The maximum Class is 6 unless otherwise noted.

| Test                                                                             | Standard/Test Method          | Class/Result |
|----------------------------------------------------------------------------------|-------------------------------|--------------|
| Abrasion resistance (visual assessment)                                          | EN 530:2010                   | Class 1      |
| Flex cracking (visual assessment)                                                | ISO 7854:1995                 | Class 5      |
| Tear resistance                                                                  | ISO 9073-4:1997               | Class 2      |
| Tensile strength                                                                 | EN ISO 13934-1:1999           | Class 1      |
| Puncture resistance                                                              | EN 863:1995                   | Class 1      |
| Resistance to ignition                                                           | EN 13274-4:2001               | Pass         |
| Seam strength                                                                    | EN ISO 13935-2:1999           | Class 3      |
| Repellency to liquids – 30% H <sub>2</sub> SO <sub>4</sub> Sulfuric Acid         | EN ISO 6530:2005 Class 3 of 3 | Test         |
| Liquid penetration resistance – 30% H <sub>2</sub> SO <sub>4</sub> 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 |
| Radioactive particulates (TIL)                                                   | EN 1073-2:2002                | Class 1 of 3 |

## 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 five (5) years from date of manufacture when stored as stated<sup>3</sup>
- 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

3. 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



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.

## Ordering Information

| 3M Code     | Model # | Description                  |
|-------------|---------|------------------------------|
| GT700000224 | 4515    | Coverall White type 5/6/ M   |
| GT700000232 | 4515    | Coverall White type 5/6/ L   |
| GT700000240 | 4515    | Coverall White type 5/6/ XL  |
| GT700000257 | 4515    | Coverall White type 5/6/ XXL |
| GT700000265 | 4515    | Coverall White type 5/6 3XL  |
| GT700000430 | 4515    | Coverall Orange type 5/6 M   |
| GT700000448 | 4515    | Coverall Orange type 5/6 L   |
| GT700000455 | 4515    | Coverall Orange type 5/6 XL  |
| GT700000463 | 4515    | Coverall Orange type 5/6 XXL |
| GT700000471 | 4515    | Coverall Orange type 5/6 3XL |
| GT700000299 | 4515    | Coverall Blue type 5/6 M     |
| GT700000307 | 4515    | Coverall Blue type 5/6 L     |
| GT700000315 | 4515    | Coverall Blue type 5/6 XL    |
| GT700000323 | 4515    | Coverall blue type 5/6 XXL   |
| GT700000331 | 4515    | Coverall blue type 5/6 3XL   |
| GT700000349 | 4515    | Coverall blue type 5/6 4XL   |

## Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



**3M Australia Pty Ltd**  
**Personal Safety Division**  
Bldg A, 1 Rivett Road  
North Ryde NSW 2113  
TechAssist Helpline: 1800 024 464  
Customer Service: 1300 363 565  
Email: techassist@mmm.com  
Web: www.3M.com/au/ppesafety

**3M New Zealand Ltd**  
**Personal Safety Division**  
94 Apollo Drive, Rosedale  
Auckland 0632  
TechAssist Helpline: 0800 364 357  
Customer Service: 0800 252 627  
Email: techassist@mmm.com  
Web: www.3M.com/nz/ppesafety

3M is a trademark of 3M Company.  
Please recycle. Printed in Australia.  
© 3M 2021. All rights reserved.  
AV011489208