Description
The 3M™ Protective Coverall 4540+ is designed to help protect against hazardous dusts (Type 5) and certain light liquid splashes (Type 6).

Comfort and Protection
- **Liquid Protection**
  Type 6 - Light Liquid Splashes
- **Dust Protection**
  Type 5 - Solid Airborne Particulates
- **Anti-static**
  Anti-static coating on inner surface¹
  (EN 1149-5:2008)
- **Nuclear**
  Radioactive particulates
  (EN 1073-2:2002) Class 1

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

These products are CE marked to the requirements of European Regulation (EU) 2016/425.

The CE Certificate and Declaration of Conformity can be reviewed at www.3M.com/Body/certs

**Sizing**²
An appropriate size garment should be selected to allow sufficient movement for the task whilst maintaining a secure fit.

<table>
<thead>
<tr>
<th>Height</th>
<th>Chest</th>
<th>Height</th>
<th>Chest</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>64 – 67 in</td>
<td>164 – 170 cm</td>
<td>33 - 36 in</td>
</tr>
<tr>
<td>M</td>
<td>66 – 69 in</td>
<td>167 – 176 cm</td>
<td>36 – 39 in</td>
</tr>
<tr>
<td>L</td>
<td>69 – 71 in</td>
<td>174 – 181 cm</td>
<td>39 – 43 in</td>
</tr>
<tr>
<td>XL</td>
<td>70 – 74 in</td>
<td>179 – 187 cm</td>
<td>43 – 45 in</td>
</tr>
<tr>
<td>XXL</td>
<td>73 – 76 in</td>
<td>186 – 194 cm</td>
<td>45 – 49 in</td>
</tr>
<tr>
<td>3XL</td>
<td>76 – 78 in</td>
<td>194 – 200 cm</td>
<td>49 – 52 in</td>
</tr>
<tr>
<td>4XL</td>
<td>78 – 81 in</td>
<td>200 – 206 cm</td>
<td>52 – 55 in</td>
</tr>
</tbody>
</table>

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

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

Materials
- **Suit** Polypropylene and Polyethylene Laminate 55gsm (white)
- **Back Panel** SMMMMS Polypropylene (blue)
- **Zipper** Nylon on Polyester Braid
- **Elastic** Synthetic Rubber (non-latex)
- **Cuffs** Polyester
- **Thread** Polyester/cotton

This product does not contain components made from silicone or natural rubber latex.
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 three years from date of manufacture when stored as stated ③.
- 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.

③The 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.

Applications and performance

| Non-Hazardous Particulates | Yes | Hazardous Liquid Splash | Yes, if chemical is compatible with suit material ④ |
| Non-Hazardous Liquid Splash Particulates | 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 ④ |

④ 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.
The table below shows 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.

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard/test method</th>
<th>Class/result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion resistance</td>
<td>EN 530:2010</td>
<td>Class 1</td>
</tr>
<tr>
<td>Flex cracking</td>
<td>ISO 7854:1995</td>
<td>Class 6</td>
</tr>
<tr>
<td>Tear resistance</td>
<td>ISO 9073-4:1997</td>
<td>Class 1</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>EN ISO 13934-1:1999</td>
<td>Class 1</td>
</tr>
<tr>
<td>Puncture resistance</td>
<td>EN 863:1995</td>
<td>Class 1</td>
</tr>
<tr>
<td>Resistance to blocking</td>
<td>EN 25978:1990</td>
<td>No Blocking</td>
</tr>
<tr>
<td>Seam strength</td>
<td>EN ISO 13935-2:1999</td>
<td>Class 2</td>
</tr>
</tbody>
</table>

Visit the 3M Chemical Test Library for an online repository of available chemical data for 3M™ Protective Coveralls:
http://go.3M.com/CHTL

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.