4500/4505 Technical Data Sheet

3M™ 4500 and 3M™ 4505 Coveralls

The 3M™ 4500 Coveralls are designed to help protect against non-hazardous dusts. The 3M™ 4505 Coveralls are designed to help protect against non-hazardous dusts and liquid splashes.

Key Features

- Elasticated waist, ankles, and wrists for a good fit and freedom of movement
- Two-way zipper with storm flap for convenience and added protection (4505 only)
- Low-linting
- 3M 4500: breathable material for comfort and dust protection
- 3M 4505: Thick (67gsm) laminated material for additional liquid repellency and extra robustness

Approvals

CE approved under PPE Directive (89/686/ECC), Category I
This product helps protect against minimal risks, such as certain non-hazardous liquid splashes and dusts, as defined by Directive 89/686/EEC.

Materials

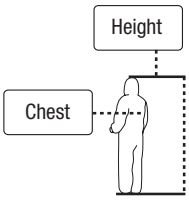
Suit	Polypropylene (4500) / Polypropylene / Polyethylene Laminate (4505)
Zipper	Metal / Nylon / Polyester Braid
Elastic	Neoprene Rubber
Thread	Polyester / Cotton

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 whilst maintaining a secure fit.

	Height		Chest	
S	64 – 67 in	164 – 170 cm	33 – 36 in	84 – 92 cm
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	78 – 81 in	200 – 206 cm	52 – 55 in	132 – 140 cm



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 +68°F) and with relative humidity below 80%
- Expected shelf life is three years from date of manufacture when stored as stated
- 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

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;
- Exposure situations resulting in liquid build-up on the suit;
- Environments with high mechanical risks (abrasions, tears, cuts);
- Contact with hazardous substances beyond Type 4/5/6 certification;
- Environments with conditions of excessive heat.

Applications and Performance

Non-Hazardous Particulates	Yes
Non-Hazardous Liquid Splash	Yes
Hazardous Splash/ Liquid Spray	No
Hazardous Dusts and Fibres	No
Organic Solvents	No
Liquid Continuous Contact/ Immersion	No
Acids/Alkalis	No
Gases and Vapours	No

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.

Important Notice
This guide is only an outline. It should not be used as the only means for selecting protective clothing. Before using any protective clothing, the wearer must read and understand the user information. Specific country legislation must be observed. If in doubt, contact a safety professional. Selection of the most appropriate PPE will depend on the particular situation and should only be made by a competent person knowledgeable of the actual working conditions and the limitations of PPE.

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