

3M Personal Safety Division

Safety Solutions for Asbestos Removal



Maximum Protection backed by expert Support

Visit:



3M.com/au/ppeasbestos



3M.com/nz/ppeasbestos

Remove asbestos. Manage the risk.

When performing asbestos removal work or handling products and materials that contain asbestos, you require a high level of personal protection.

3M meets this need by offering a choice of convenient respiratory and body protection kits designed to provide effective safeguards against exposure to asbestos fibres and dust.

Our solutions are backed by comprehensive customer support and professional technical resources to assist with your safety management, product selection and training needs.

The power to protect your world.SM

Asbestos removal safety hazards

The right personal protective equipment is essential to protect your health when working with asbestos, as asbestos-related diseases are responsible for an increasing number of deaths from mesothelioma and asbestosis. In addition, asbestos has been linked to other diseases including lung cancer, laryngeal cancer and ovarian cancer.

Respiratory protection for asbestos



When asbestos is mined or processed or when asbestos-based products are sanded, sawn or drilled, it can produce a fine airborne dust that is made up of tiny fibres. These fibres are easily breathed into the lungs where they can potentially become embedded and, due to their size and elongated shape, have the capacity to resist the lungs' natural cleaning process and in turn lead to serious health problems in later years.

Respiratory protection is therefore definitely required when working with or handling material that contains asbestos. There are different types of

respiratory protection solutions for the various types of asbestos work. Since ordinary dust masks are not effective in preventing the inhalation of asbestos fibres and dust, the selection of the appropriate respiratory solution is critical in achieving the maximum level of protection from airborne asbestos fibres.

A global leader in respiratory protection, 3M's range includes various types of negative pressure reusable and positive pressure powered air respirators to protect workers against asbestos fibres.

In addition, a Respiratory Protection program created in accordance with Australian/New Zealand Standard AS/NZS 1715:2009 "Selection Use & Maintenance of Respiratory Protective Devices" should be introduced where workers are exposed to airborne asbestos.

What is the major source of exposure to asbestos?

- Older buildings with insulated reticulated services and infrastructure undergoing renovation or demolition.

Who is most at risk from asbestos exposure?

- Those carrying out maintenance, repair or refurbishment work or asbestos removal in buildings, including factories built or refurbished before 1985 - for example: carpenters, plumbers, electricians and cable installers.
- Home renovators also have the potential to be exposed to asbestos when working on older homes.

What are the primary types of work/operations where people are most likely to be exposed to airborne asbestos fibres?

- Manual handling of asbestos and asbestos containing materials (ACM)
- Sawing, sanding, grinding, drilling, or any other similar work involving asbestos or ACM

Asbestos should only be removed or handled by suitably trained and certified workers. There are asbestos removal companies that have the equipment, expertise and certification to perform asbestos removal work.



3M respiratory solutions for asbestos removal offer you choice, convenience and confidence

Negative pressure solutions

3M™ Asbestos/Dust Respirator Kit 7535, P2/P3*



Includes a 3M™ Half Face Reusable 7500 Series Respirator with efficient Cool Flow™ Valve and soft silicone mask material. The respirator design helps reduce fogging when wearing eye protection. 3M's unique solid top particulate filter casing design reduces premature caking and

clogging from dirt, grime, water or dust. The protective casing also aids decontamination practices.

Kit Includes:

- + 1 x 3M™ Half Face Respirator 7500 Series (available S, M & L sizes)
- + 2 x pair of 3M™ Particulate Filters 6035 P2/P3*
- + 1 x pair of 3M™ SecureFit™ 200 Series Safety Glasses, AS/NZS1337.1 Medium Impact
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4 (SLC80: 25dB)
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container

3M™ Asbestos/Dust Respirator Kit 6835, P3*



Includes a 3M™ Full Face 6000 Series Reusable Respirator that is simple and easy to use. The respirator is light weight, well balanced and provides a wide field of vision. 3M's unique solid top particulate filter casing design reduces premature caking and clogging from dirt, grime, water or

dust. The protective casing also aids decontamination practices.

Kit Includes:

- + 1 x 3M™ Full Face Respirator 6000 Series (available S, M & L sizes)
- + 2 x pair of 3M™ Particulate Filters 6035 P2/P3*
- + 4 x 3M™ Respirator Cleaning Wipes 504
- + 1 x 3M™ No-Touch™ Foam Earplugs P2000, Class 4 (SLC80: 25dB)
- + 1 x 3M™ Respiratory Protection Guide
- + 1 x Handy Storage Container

*Higher P3 protection factors only achieved with a 3M Full Face Respirator, otherwise P2 protection level when worn on a 3M Half Face Respirator.

Positive pressure solutions

3M™ Powerflow™ 6800 Plus Face Mounted Full Face Respirator Kit



Robust and reliable protection against respiratory and eye hazards present in removal of asbestos. The powered air respirator supplies a refreshing breeze of filtered air over the face while eliminating the need to work at drawing breath through a filter. Kit is a ready-to-use system and

able to be worn in a decontamination shower.

Kit Includes:

- + 1 x 3M™ Full Face Respirator 6800 (available S, M & L sizes)
- + 1 x 3M™ Powerflow™ Air Turbo
- + 1 x 3M™ Battery Pack
- + 1 x 3M™ Battery Charger
- + 1 x 3M™ Powerflow™ Particulate Filter PAPR-P3
- + 1 x 3M™ Easy Clean Waist Belt, TR-327
- + 1 x 3M™ Powerflow™ Decontamination Kit
- + 1 x 3M™ Powerflow™ Airflow Indicator
- + 1 x 3M™ Disposable Coverall 4520

3M™ Versaflo™ 6800-TR Plus Belt Mounted Full Face Respirator Kit



Combines the comfort of the 3M Full Face 6000 Series Respirator with the industry proven lightweight 3M™ Versaflo™ Powered Air Respirator TR-300 creating an asbestos removal respiratory system that is easy to use and to decontaminate. The Versaflo 6800-TR Plus, with its

many design and performance features delivers all day comfort and confident protection that may lead to increased productivity. With its slim, curved profile, the Versaflo TR-300 turbo is ideally suited for use in tight spaces.

Kit Includes:

- + 1 x 3M™ Full Face Respirator 6800DIN Serie (available S, M & L sizes)
- + 1 x 3M™ Versaflo™ Powered Air Turbo, TR-300
- + 1 x 3M™ Versaflo Lithium Ion Battery Pack, TR-332
- + 1 x 3M™ Intelligent Battery Charger, TR-341
- + 1 x 3M™ Versaflo™ Particulate Filter PAPR-P3, TR-3710E
- + 1 x 3M™ Easy Clean Waist Belt, TR-327
- + 1 x 3M™ Versaflo™ Airflow Indicator, TR-970
- + 1 x 3M™ Disposable Coverall 4520
- + 1 x 3M™ Versaflo Breathing Tube, BT-20L

Guide to selecting respiratory protection when working with asbestos

Step 1

Refer to Safework Australia* or Worksafe NZ Authority guidelines to identify the asbestos work procedure or task you will be performing.

Step 2

In accordance with the guidelines, align the work procedure with the required respirator options and filter type.

Step 3

The below table lists 3M solutions that align with various respirator and filter options provided in the AU and NZ guidelines.

Example respirator options recommended by Safework Australia* or Worksafe NZ	Filter Type	3M Solution <i>(see full descriptions on previous page)</i>
Half face, particulate filter (cartridge) respirator	P2	3M™ Asbestos/Dust Respirator Kit 7535
Full-face, particulate filter (cartridge) respirator	P3	3M™ Asbestos/Dust Respirator Kit 6835
Full face, powered air-purifying particulate respirator	P3	3M™ Powerflow™ 6800 Plus Face Mounted Full Face Respirator Kit
Full face, powered air-purifying particulate respirator	P3	3M™ Versaflo™ 6800-TR Plus Belt Mounted Full Face Respirator Kit

Contact 3M TechAssist if you have questions or require guidance with product selection.

How to access the local government guidelines for asbestos

For the list of work procedures and required respiratory equipment refer to asbestos government guidelines for your country.

Australia

www.safeworkaustralia.gov.au

Select "Model WHS Laws, then "Model Codes of Practice", then "How to Safely Remove Asbestos". Within the document, go to Appendix B: Respiratory Protective Equipment,

**For VIC and WA, refer to local State legislation*

New Zealand

www.business.govt.nz/worksafe

Select "Information & Guidance", then "By Hazard Type", then "Asbestos" then "Personal Protective Equipment to use when working with asbestos"

3M body and eye protection for working with asbestos

Body Protection

Protection is needed from head to toe to avoid being contaminated with harmful asbestos fibres. Disposable coveralls with fitted hoods and cuffs should be worn and be of a suitable standard to prevent penetration of asbestos fibres so far as is practicable. Disposable coveralls rated type 5, category 3 (prEN ISO 13982-1) or the equivalent meet this performance requirement.

3M offers two disposable coveralls that are especially suitable for asbestos inspection and removal—the 5-layered, breathable and lightweight, 4520 and the high-visibility orange-coloured 4515 model.

Eye Protection

Asbestos can irritate your eyes like any foreign body or dust particle. The level of irritation can be minimal to extreme depending upon the amount of asbestos that enters the eye. In addition, though not common, asbestos particles can penetrate and become lodged inside the eye.

To protect your eyes from falling or flying debris, safety eyewear such as 3M™ SecureFit™ 200 Series Safety Glasses should be used when removing and demolishing materials, especially from overhead installations or when using wire brushes to clean surfaces.



Make sure your respirator fits correctly

A major contributor to reduced respiratory protection is poor facial fit. As a consequence, Australia and New Zealand Standard AS/NZS 1715:2009 "Selection, Use & Maintenance of Respiratory Protective Devices" sets out a requirement that wearers of tight fitting negative pressure facemasks be fit tested for compliance to the standard. 3M has pioneered the development of respiratory fit testing techniques and solutions, offering Qualitative Fit Test Kits for checking facial fit.



Quantitative Fit Testing

To prove higher levels of protection, full face respirators need to be fit tested by quantitative fit testing using specialised particle counting equipment such as PortaCount®.

3M™ Qualitative Fit Test Apparatus is designed for fit testing disposable (*not recommended by 3M for asbestos removal work*) and half face reusable respirators fitted with particulate or combination gas/vapour and particulate filters.



- 3M™ FT-10 Qualitative Fit Test Apparatus Kit-Sweet (Saccharin)
- 3M™ FT-30 Qualitative Fit Test Apparatus Kit-Bitter (Bitrex)

Features and benefits of 3M Qualitative Fit Test Kits

- Offers a fast and easy method for performing qualitative fit testing
- No calibration of equipment required
- No modification of facepiece required
- Test operator can be self-taught/instructed
- Each kit contains a hood and collar assembly, two nebulisers, sensitivity solution, test solution and detailed instructions—replacement solutions and accessories can be purchased separately

3M support, training and technical assistance

3M experts are available for on-site consultation, training and customised options. Our qualified and highly experienced team can assist customers by:

- Recommending appropriate 3M personal protective equipment (PPE) for working with asbestos.
- Providing technical advice about the correct use and maintenance of the solution that has been selected.
- Facilitating on-site fit testing of 3M respirator, eye and hearing protection solutions as required.
- Delivering training programs that explain the correct way to fit, inspect, clean and store 3M supplied PPE.

3M's toll-free TechAssist Helpline is the ideal point of contact for your questions. Our experienced TechAssist staff, supported by 3M Occupational Hygienists, help customers by providing technical advice and guidance about product selection and use, as specified in AS/NZS 1715 as well as other information that may be important to your personal safety needs.

- 3M Australia TechAssist: 1800 024 464 or email techassist@mmm.com
- 3M New Zealand TechAssist: 0800 364 357



The 3M range of solutions for worker safety includes:

- Respiratory Protection
- Hearing Protection
- Communications
- Eye, Head & Face Protection
- Welding Protection
- Body Protection
- Worker Visibility
- Spill Management
- Detection & Monitoring

ANZ Distributor network

3M distributes our wide range of workplace safety products through a network of distributors, resellers and retailers throughout Australia and New Zealand.

For more information about 3M safety solutions for working with asbestos, please contact us:

AUSTRALIA

TechAssist Helpline 1800 024 464
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