

Technical Datasheet



3M™ Particulate Respirator 9542A, P2

The 9542A is a disposable specialty respirator with P2 rated filtration that offers protection against certain dusts, mists and fumes. The added carbon layer provides effective relief from nuisance levels* of organic vapours and odours. It is designed to fit a wide range of facial sizes. Its foldable design is portable and easy to carry. Each respirator is individually packaged, protecting it from contamination prior to use.

Features

- Provides protection against mechanically and thermally generated particulates
- Disposable and maintenance free
- Lightweight construction promotes greater comfort and increased wear time
- Individually packaged respirator promotes clean storage and easy dispensing
- Soft cover web on respirator's inner panel feels comfortable against the wearer's skin
- Added carbon layer provides relief from nuisance levels* of organic vapours and odours
- Adjustable noseclip helps with a custom fit and secure seal

Time Use Limitation:

- If the respirator becomes damaged, soiled or breathing becomes difficult, leave the contaminated area and then replace and refit the respirator.
- This respirator contains a layer of activated charcoal to remove nuisance levels* of organic vapours and odours. However, if the respirator is worn and fitted correctly and you can smell or detect the contaminant, then replace the respirator as the capacity of the carbon has been exceeded.

Applications

This respirator is suitable for the following suggested applications (but is not limited to):

- Waste disposal and recycling facilities
- Foundry operations
- Printing
- Mining
- Solvent cleaning
- Light welding

Materials

The following materials are used in the production of this product:

Straps: Elastomer
Staples: Steel
Nosefoam: Polyurethane
Nose clip: Aluminium
Filter: Polypropylene / Carbon

This respirator does not contain components made from natural rubber latex or fibreglass.

Maximum mass of product = 13g

Warnings and Use Limitations



This product meets the performance requirements of AS/NZS 1716:2012.

P2 is the rating given to a respirator that meets AS/NZS1716:2012 for filtering mechanically and thermally generated particles, e.g. those from welding fume. Respirators with a P2 rating are also recommended for use in certain applications against some pathogenic biological airborne particulates. A copy of AS/NZS 1716:2012 can be purchased from SAI Global.

1. Failure to follow all instructions and limitations on the use of this respirator and/or failure to wear this respirator during all times of exposure can reduce respirator effectiveness and **may result in sickness or death.**

2. It is recommended that a face fit test be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit, do not enter contaminated area. See your supervisor.

* Nuisance levels are those levels below the relevant Workplace Exposure Standards.



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3. Inspect respirator before each use to ensure it is in good working condition. Examine all the respirator parts for signs of damage including the two straps, noseclip, nose foam and staples. The respirator should be disposed of immediately upon observation of damaged or missing parts.
4. Leave the contaminated area immediately and contact supervisor if dizziness, irritation or other distress occurs.
5. Dispose of used product in accordance with applicable regulations.
6. All respirators should be used in accordance with local regulations.
7. Do not alter, wash, abuse or misuse this respirator.
8. Do not use with beards or other facial hair or other conditions that prevent a good seal between the face and the sealing edge of the respirator.
9. This respirator can help protect the wearer's lungs against certain airborne contaminants; however, it will not prevent entry through other routes such as the skin or eyes, which would require additional personal protective equipment (PPE).
10. This respirator is designed for occupational/professional use by adults who are properly trained in their use and limitations. This respirator is not designed to be used by children.
11. Individuals with a compromised respiratory system, such as asthma or emphysema, should consult a physician and complete a medical evaluation prior to use.
12. Maximum Operating Temperature: + 50 degrees Celsius.
13. The filtration efficiency of this respirator may decrease in the presence of oily mists.
14. This product does not contain components made from natural rubber latex.

Storage Conditions and Shelf Life

Shelf life of unopened product is three (3) years from date of manufacture when stored within temperature range of -20°C to +30°C and at less than 80% relative humidity.

Fitting Instructions

It is recommended that wearers be fit tested in accordance with the AS/NZS1715:2009 Standard.

For information regarding fit testing procedures, please contact 3M.



1. Place the respirator against your face with the nosepiece across the bridge of your nose. Hold the respirator on your face and position under the chin (Fig.1).
2. Pull the top strap over your head resting it high at the top of your head (Fig.2).
3. Pull the bottom strap over your head and position it around the neck and below the ear (Fig.3).
4. Place the fingertips of both hands at the top of the metal nosepiece. Mould the nosepiece to the shape of the nose bridge by pushing inwards while moving your finger tips down both sides of the nosepiece using both hands (Fig.4). **Note:** Pinching the respirator nosepiece using only one hand may result in less effective fit

It is very important to press the nosepiece firmly to the nose bridge to form a good seal.



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5. The seal of the respirator on the face should be checked by the wearer prior to entering the work area (Fig.5).

a) Cover front of the respirator with both hands, being careful not to disturb the position of the respirator.

b) Exhale sharply. If air leaks around the nose bridge then re-adjust the nosepiece as described in step 4. If air leaks at the respirator edges, work the straps back along the side of your head. If you cannot achieve proper fit, repeat steps 1-4.

c) If no leakage is detected, then work may proceed.

6. If you CANNOT achieve a proper fit DO NOT enter the hazardous area. See your supervisor.

Removal Instructions

See Step 3 of Fitting Instructions and place hand over the respirator to maintain position on the face. Pull the bottom strap over the head. Still holding respirator in position, pull the top strap over your head and remove the respirator.

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. The user is responsible for determining the suitability of the product for its intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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