The 3M™ Particulate Respirators 8000, 8205 provide effective respiratory protection for use in industries where workers will be exposed to dust particles and/or non-volatile liquid particles.

**Features**

- The 8000 respirator provides protection from mechanically generated particulates while the 8205 also offers protection from thermally generated particulates.
- Lightweight construction promotes greater comfort and increased wear time.
- Adjustable noseclip enables wearer to customise the fit for a better and more secure seal - it can also help to reduce eyewear fogging.

**Standards**

These respirators meet the performance requirements of AS/ NZS 1716:2012.

Class P1 is the rating given to a respirator for filtering mechanically generated particles, e.g. from crushing, grinding, sawing and sanding.

Class P2 is the rating given to a respirator for filtering mechanically and thermally generated particles, e.g. welding fume. These are also recommended for use in certain applications against certain infectious biological airborne particulates.

**Applications**

These respirators are suitable for the following suggested applications (but are not limited to):

Class P1:
- Sanding, grinding, cutting, drilling
- Plastering, rendering, excavation
- With powders or dusts

Class P2 (as for P1 above plus):
- Light welding, soldering
- Foundry operations
- Certain infectious aerosols
- Diesel particulate material

**Materials**

The following materials are used in these products:

- Straps: Polyisoprene
- Staples: Steel
- Nosefoam: Polyester
- Nose clip: Aluminium
- Filter: Polypropylene

Mass of product = 8-10gm

These respirators do not contain components made from natural rubber latex.

**Important**

Before use, the wearer must be trained in use of the complete product in accordance with AS/NZS 1715:2009 and applicable Health and Safety Standards/guidance.

- Failure to follow all instructions and limitations on the use of the respirator and/or failure to wear the respirator during all times of exposure can reduce respirator effectiveness and may result in sickness or death.
- For suitability and proper use follow local regulations and refer to all information supplied. For additional assistance, contact an Occupational Hygienist, Safety Professional or the 3M TechAssist Helpline.
- Do not use in atmospheres containing less than 19.5% oxygen, as the respirator does not supply oxygen. (3M definition – individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt.) Do not use for respiratory protection against atmospheric contaminants or concentrations which are unknown or immediately dangerous to life and health (IDLH).
Warnings and Use Limitations

Always be sure that the complete product is:
- Suitable for the application;
- Fitted correctly;
- Worn during all periods of exposure;
- Replaced when necessary.

- It is recommended that fit testing be conducted before assigning a respirator to an individual. If you cannot achieve a proper fit then do not enter contaminated area. See your supervisor.
- 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. The respirator should be disposed of immediately upon observation of damaged or missing parts.
- Leave the contaminated area immediately and contact supervisor if dizziness, irritation or other distress occurs.
- Dispose of used product in accordance with applicable regulations.
- All respirators should be used in accordance with local regulations.
- Do not alter, repair, wash, and abuse or misuse the respirator.
- Do not use with beards or other facial hair or conditions that prevent a good seal between the face and the sealing edge of the respirator.
- The 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).
- The respirator is designed for occupational/professional use by adults who are properly trained in it’s use and limitations. The respirator is not designed to be used by children.
- Individuals with a compromised respiratory system, such as asthma or emphysema, should consult a physician and complete a medical evaluation prior to use.
- Maximum Operating Temperature: +50 degrees Celsius.
- The filtration efficiency of the respirator may decrease in the presence of oily mists.

Storage and Transportation

Shelf life of the unopened product is three (3) years from date of manufacture when stored within temperature range of -20°C to +25°C and at less than 80% relative humidity. End of shelf life date is marked on the product packaging. Before initial use, always check that the product is within the stated shelf life. When storing or transporting this product use original packaging provided.

Product Range

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It is recommended that wearers be fit tested in accordance with the AS/NZS 1715:2009 Standard. For information regarding fit testing procedures, contact 3M.

Fitting Instructions

Must be followed each time the respirator is worn. Before fitting device, ensure hands are clean.

See Figure 1 below.

1. Cup respirator in hand, fingertips positioned at nosepiece and straps hanging below the hand.
2. Place the respirator against your face with the nosepiece across the bridge of your nose. Hold the respirator on your face and position it under the chin.
3. Pull the top strap over your head resting it high at the top of your head. Pull the bottom strap over your head then position it around your neck and below your ear.
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.

Note: Pinching the respirator nosepiece using only one hand may result in less effective respirator fit. Use two hands.

Fit Check

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

a) Cover front of the respirator with both hands, being careful not to disturb the position of the respirator (see Picture 6).

b) Inhale or exhale sharply. If air leaks around the nose bridge, re-adjust the nosepiece as described in step 4 above. 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. If you CANNOT achieve a proper fit DO NOT enter the hazardous area. See your supervisor.

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

Removal Instructions

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

Disposal

Used respirators should be disposed of in accordance with national or local regulations.