

**3M** Science.  
Applied to Life.™

# 3M™ Particulate Respirators 8825+ and 8835+

Enhanced comfort

Better fit

Great value

Contact

# Enhanced comfort

With 99% of work-related deaths resulting from respiratory disease<sup>[1]</sup>, it is crucial that companies choose the right control measures. If respiratory protection is required it must not only offer adequate protection, but it must also be suitable for the wearer, task and environment.

## Breathe easy

3M™ Advanced Electret Media is able to capture particles from a greater distance. This means that we need less fibres and can create a filter with a more open structure allowing your workforce to breathe easy.

Adding the 3M™ Cool Flow™ Valve helps reduce breathing resistance further, giving warm, exhaled air more space to escape.

## Work together

Having a respirator that doesn't compromise the fit of other Personal Protective Equipment is essential so we've cleverly designed the face seal around the nose and across the cheekbones, to allow room for spectacles and goggles to sit.

## See clearly

The face seal doesn't just help to improve fit. The profile of the respirator is designed to move air going through the filter media away from the face, limiting the escape of exhaled air upwards, and helping to reduce eyewear fogging.



Common electrostatic filter structure



3M™ Advanced Electret Media structure

## Sources

1. Health and Safety Executive Operational Guidance, Respiratory Protective Equipment, [www.hse.gov.uk/foi/internalops/og/og-00041.htm](http://www.hse.gov.uk/foi/internalops/og/og-00041.htm)

# Enhanced comfort



Managers cite discomfort, especially during long periods of use, as one of the key factors resulting in workers not wearing RPE<sup>[3]</sup>.

In **45%**  
of PPE related  
**accidents**  
PPE was provided but it  
**was not used or**  
**not used correctly**<sup>[2]</sup>.



## Sources

2. Research Report R419: Evidence base for identifying potential failures in the specification, use and maintenance of PPE at work. Health and Safety Executive, 2006. N.B: Analysis of 920 PPE-related accidents identified between 1996/7 and 2002/3. Slips & trips and "correct use but other cause" omitted for simplicity.
3. Research Report 798: Factors influencing the implementation of RPE programmes in the workplace. Health & Safety Laboratory, 2010

# Better fit



## The Science of fit

Disposable respirators are only effective when there is a good seal between the edges of the respirator and your face. The instant this seal is broken, protection is compromised as contaminated air can leak in through any gaps.

But, there's so much more to fit than meets the eye, especially when it comes to respiratory protection.

Bridging the gap between disposable and reusable particulate respirators, the 3M™ Particulate Respirators 8825+ and 8835+ have been engineered to focus on fit performance without compromising wearer comfort. The new flexible, pre-formed face seal, based on our best-selling\* 3M™ Maintenance Free Reusable Respirator 4000 Series, works in conjunction with the adjustable braided headbands to give a custom, secure fit on the face.



## The rigour behind the respirator

### The 3M approach speaks for itself:

**Design Approach:** At 3M, fit is incorporated into the entire product development process.

**Lab Testing:** Every year, 3M tests thousands of people in our state-of-the-art fit-test labs around the world.

**Onsite Testing:** Pre-launch fit testing at customer locations provides added assurance that our respirators will fit in real-world work settings.

**Education & Training:** If a respirator is not worn correctly, or doesn't fit, it loses effectiveness. That's why we provide the tools to help train users to achieve a proper fit, each and every day.

\*Based on sales of 3M reusable respirators in Europe, the Middle East and Africa between 2010 and 2013.

# Better fit



In a recent independent  
**fit test study of**  
262 respirator wearers  
at multiple job sites in the UK,  
**the 8835+ fitted**  
**94% of faces.**

Results of this study do not replace the need for workers to be individually fit tested. Study was conducted by the Institute of Occupational Medicine. Based on the results from this study, the 3M™ Particulate Respirator 8835+ had a fit test pass rate of 94.66%. See [www.3M.co.uk/8835+](http://www.3M.co.uk/8835+) for complete details. Actual results may vary at any workplace.



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# Great value

The 3M™ Particulate Respirators 8825+ and 8835+ have been optimised for use over more than one shift, helping to save you money, whilst maintaining the convenience of a disposable respirator.

## R for reusable

'R' marking shows that the 8825+ and 8835+ pass the tests required to allow the respirator, provided it is undamaged and hygienic, to be reused for more than one shift, where allowed by your company's disposal policy.

The tests for 'R' rated products require the filter penetration performance to be demonstrated after the respirator has been loaded with particles, cleaned according to the instructions and stored.

## Clog-resistant

Designed to be resistant to clogging. 'D' marking shows that the 8825+ and 8835+ meet the filter penetration and breathing resistance requirements after loading with Dolomite dust.

## Lasts longer

Based on our best-selling\* 3M™ Maintenance Free Reusable Respirator 4000 Series, the flexible, durable face seal can be wiped hygienically clean after each use. This, coupled with the robust, adjustable straps, helps the 3M™ Particulate Respirators 8825+ and 8835+ bridge the gap between disposable and reusable respirators.

\*Based on sales of 3M reusable respirators in Europe, the Middle East and Africa between 2010 and 2013.

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For more information please visit  
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