



## **INFORMATION DOCUMENT: FFP3 MASKS PLUS OTHER PPE PRODUCTS AND PRICES – JANUARY 2021**

This document, prepared by Fun and Fit Bike CIC, provides information on the use of protective masks in healthcare settings as well as our other PPE activity.

**Press release from the British Medical Association (BMA).**

**Published: Wednesday 13 January 2021**

The BMA is calling on Public Health England to urgently review the adequacy of its PPE guidance for healthcare staff amid growing concerns that inadequate PPE is placing many at serious risk of Covid-19.

In a letter to PHE<sup>1</sup>, the doctors' union highlight the need for wider use of respiratory protective equipment, such as FFP3 respirators, in other high-risk settings across primary and secondary care.

Warning of the “significant and growing concerns about the role of aerosol transmission of COVID-19 in healthcare settings” at a time when the NHS is facing unprecedented pressure, BMA council chair Dr Chaand Nagpaul writes: “Now that we have been assured that supply is no longer an issue, we believe guidance should be updated to take a more precautionary approach to better protect those working on the frontline.”

Dr Nagpaul also warns that ensuring the appropriate level of protection is especially important to minimise the risk for staff who have a higher vulnerability to COVID-19 as he writes: “If healthcare workers fall ill from being infected and are unable to work, it will be devastating for the health service at this time of critical pressures, and it will compound the pressures besieging hospitals and GP practices.”

In addition, the BMA has also written to the Department of Health and Social Care<sup>2</sup> urging that PPE provision must be adequate to meet the ‘diverse needs’ of the healthcare workforce.

Highlighting one of the issues raised by BMA members on the unsuitability of current PPE provision, Dr Nagpaul writes: “Female doctors are still struggling to find masks that fit, often failing the ‘fit test’ or being left with sores and ulcers after long shifts when wearing masks that did not fit. We have raised concerns in the past that PPE is designed to fit men, not women - despite the fact that 75% of the NHS workforce are women.”

Warning that the current ‘one-size-fits-all’ is ‘not appropriate’, Dr Nagpaul writes: “Guidance and provision must take account of differing needs of the individual healthcare worker - no matter who you are, you should have proper-fitting PPE, regardless of gender, ethnicity and religion.”

The BMA is asking that both issues be addressed as a matter of urgency.

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## Protective Masks Types – FFP and IIR

There are two main European Standard certificated mask types on the market, EN 14683 (surgical/medical masks) and EN 149:2001+A1:2009 (respirator masks), each with three grades of protection.

These masks have US and Chinese standard equivalents (with different model numbers).

### 1. European Standard EN 14683 (surgical/medical masks):



The distinguishing feature of this mask is that it offers two-way protection and therefore commonly used in environments where there is a risk of toxic or infectious particles being transferred to or from the wearer.

Produced in 3 and 4 ply for single use, they are designed to prevent large particles (e.g. spit, mucous) being transferred to the wearer from people and physical objects in the vicinity, and vice-versa. However, depending on the circumstances, it does not protect from inhaling the very small particles suspended in the air that potentially carry the coronavirus.

There are three grades of this mask, each offering a different level of protection:

Type I: bacteria filtering effectiveness > 95%. (Good)

Type II: bacteria filtering effectiveness > 98%. (Better)

Type IIR: bacteria filtering effectiveness > 98% and splash resistant (Best)

Your choice of mask will depend on the settings in which it is being used. For example, where exposure to blood and/or bodily fluids from person(s) or work environments is a risk, Type IIR mask will be applicable/necessary.

## 2. European Standard EN 149:2001+A1:2009\* (respirator masks):



The distinguishing feature of this mask is that it offers single-way protection to the wearer and therefore commonly used in environments where there is a risk of toxic or infectious particles being transferred to the wearer from people and physical objects they are working in the vicinity of, but the risk of transference from the wearer is low.

Often referred to as FFP (Filtering Facepiece Particles) or respirator masks, they are designed to protect the wearer against the inhalation of both droplets and particles suspended in the air. Certain models can have exhaling valves fitted.

Because of the mask's tightness on the face, there can be implications for wearer wellbeing in situations of prolonged use. Therefore, risk assessments and fitting tests should be carried out on potential users, taking into account existing conditions such as asthma, COPD, etc.

There are three grades of this mask, each offering a different level of protection:

FFP1 masks which filter at least 80% of aerosols (inward leakage < 22%) (Good)

FFP2 masks which filter at least 94% of aerosols (inward leakage < 8%) (Better)

FFP3 masks which filter at least 99% of aerosols (inward leakage < 2%) (Best)

NB. The FFP2 mask has a US standard certificated equivalent called N95 and Chinese standard certificated equivalent called KN95.

The World Health Organisation (WHO) recommends FFP2 or FFP3 masks during outbreaks of infections such as SARS, Avian Flu and Coronavirus.

Certain models of this mask can be reused, and this will be indicated in the certification and/or packaging. On 1 August 1, 2010, an amendment to EN 149:2001 standard entered into force concerning the reusability of masks' dust filters, indicated by "R", reusable, and "NR", non-reusable, and tagged as EN 149:2001+A1:2009.

Your choice of mask will depend on the settings in which it is being used. For example, an FFP1 mask would filter out at least 80% of airborne respirable particles, whereas an FFP3 mask would filter out at least 98% of the respirable particles and therefore is the most efficient in filtering out fine particles including viruses.



## IMPORTANT

Whatever mask type you decide you need, make sure your supplier provides the appropriate European/US/Chinese Standard conformity certificates and product packaging that states all the relevant details including the applicable Standard, model number and CE stamp (certifying compliance with EU safety).

Also, be aware masks can be packaged as non-sterile, meaning they are not individually wrapped within the carton.

A summary table of the information given above is shown below.

<u>EUROPEAN STANDARD</u>	<u>MODEL</u>	<u>EFFECTIVENESS</u>	<u>OPERATING ENVIRONMENT</u>	<u>RATING</u>
<b>EN 14683</b>	<b>Type I</b>	<b>Bacteria filtering effectiveness &gt; 95%.</b>	<b>Where transference of toxic or infectious (large) particles to and from the wearer is a significant risk.</b>	<b>Good</b>
	<b>Type II</b>	<b>Bacteria filtering effectiveness &gt; 98%.</b>	<b>“</b>	<b>Better</b>
	<b>Type IIR</b>	<b>Bacteria filtering effectiveness &gt; 98% and splash-resistant</b>	<b>“</b>	<b>Best</b>
<b>EN 149:2001+A1:2009</b>	<b>FFP1</b>	<b>Filter at least 80% of aerosols (inward leakage &lt; 22%)</b>	<b>Where transference of toxic or infectious particles to the wearer is a significant risk but from the wearer is not</b>	<b>Good</b>
	<b>FFP2</b>  US equivalent – N95 Chinese equivalent – KN95	<b>Filter at least 94% of aerosols (inward leakage &lt; 8%)</b>	<b>“</b>	<b>Better</b>
	<b>FFP3</b>	<b>Filter at least 99% of aerosols (inward leakage &lt; 2%)</b>	<b>“</b>	<b>Best</b>

## Social Enterprise certified PPE

### NITRILE GLOVES

100 BOX BUNDLE - £9.95



50 BOX BUNDLE - £10.95

20 BOX BUNDLE £11.95

10 BOX BUNDLE - £12.95

Prices are per box/100 gloves. All sizes. Volume discounts available.

### ANTI-BAC AND VIRUCIDIAL SPRAYS

12 x 750ML DETTOX - £3.95



24 x 500ML VIRABAC - £2.95

6 x 200ML AEROSOL - £8.95

24 x 300ML DEODORIZER - 2.95

Prices are per unit. Volume discounts available.

### MASKS & COVERINGS

3-PLY IIR, 24 x BOX 50 - £0.20



FFP3, 5 x Box 20 - £5.95

Clear masks, 4 x Box 24 - £3.95

Own logo masks x 50 - £2.95

Prices are per mask. Volume discounts available.

### HAND SANITISER (70% ALCOHOL and ALCOHOL-FREE)

24 x 500ML Pump £4.95 per unit



4 x 5L BUNDLE £79.95

24 x 50ML Alc-Free £1.95 per unit

48 x 50ML £1.95 per unit

UK manufactured to WHO standards. Volume discounts available.

### OTHER PPE (PLEASE ASK FOR ITEMS NOT LISTED)

DIGITAL TEMP GUN - £24.95



SANITISER DISPENSER - 19.95

APRONS BUNDLE X 1000 - £94.95

FULL-FACE VISORS £3.95

Fun and Fit Bike CIC is a trusted supplier of fully certified, best-priced PPE, health and wellbeing products to charities, Local Authorities, care service providers, and businesses including, Salvation Army, Enable, Richmond Fellowship, Aberdeen City Council, Dumfries and Galloway Council and many others.



We became the UK's first PPE social enterprise after Covid halted our health bike business and we switched to using our experience of sanitising products to help others obtain certified, best-priced PPE.

All our products are fully compliant with UK and European standards to ensure the safety of your stakeholders.

Any business you place with us helps more people improve their health and wellbeing through future Fun and Fit Bike learning experiences. We will bring these back as soon as it is safe to do so.

Further information at:  
[funandfitbike.com](https://funandfitbike.com)

Tel: 07770 926895. Email: [info@funandfitbike.com](mailto:info@funandfitbike.com). Web: [funandfitbike.com/ppe](https://funandfitbike.com/ppe)

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See next page for exciting new PPE product updates/

# FUN FIT BIKE



## LOGO 2-PLY RE-USABLE FACE MASKS

Let your organisation stand out with these logo two-ply soft cotton reusable masks, with an antimicrobial component that inhibits growth of microbes and a water repellent finish as an additional safeguard.



The masks maintain antibacterial properties for up to 20 washes and are one-size with adjusters to suit all ages/face sizes.



## CLEAR MASKS

These new and unique anti-fog technology clear masks enable clearer communication for all.



Currently being used by the NHS as well as organisations such as Apple, the masks are meeting the demand for coverings that enable more effective and natural communication with children and adults, including people with hearing impairments, additional needs and vulnerabilities.

You can view a BBC video report on the masks here:

<https://www.bbc.co.uk/news/av/uk-wales-54274497>

And view the NHS communication on their procurement of the masks here: <https://www.gov.uk/government/news/government-delivers-250000-clear-face-masks-to-support-people-with-hearing-loss>

## SCENTED SANITISER



With all the protective properties as regular sanitiser, these scented versions provide a more pleasant sanitising experience. Available in 50, 100, 500 and 5000 ml sizes. WHO standard (70% alcohol).

## LOGO POCKET SANITISERS WITH CLIP-ON.

These handy 50ml pocket sanitisers are ideal for ensuring your stakeholders are always protected in their operational duties and as brand awareness giveaways. WHO specification (70% alcohol) fragranced, unfragranced and alcohol-free versions.



See next page for exciting new PPE product updates/



### **AEROSOL ANTI-BACTERIAL ROOM SANITISER – SELF DISPERSING**

This self-dispersing anti-bacterial room sanitiser is a perfect solution for safely and quickly sanitising an area of up to 100m<sup>3</sup>, particularly internal areas such as offices, meeting rooms, hotel rooms, classrooms, staff rooms, reception areas, etc. It can also be used to sanitise vehicles. Within 15 minutes, all surfaces will be sanitised with an anti-bacterial layer.



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Further inquiries on above products or any PPE item you are seeking to [info@funandfitbike.com](mailto:info@funandfitbike.com)

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