

Personal Protective Equipment at Work Regulations 1992

Personal Protective Equipment (PPE) means all equipment (including clothing which gives protection against the weather) which is to be worn or held by a person at work and which protects against any risk to health or safety.

According to the regulations:

An employer is legally required to ensure that suitable PPE is provided to employees who may be exposed to a health and safety risk at work.

An employer must ensure that an assessment is made to determine whether the PPE provided is suitable.

An employer must ensure that any PPE provided is maintained in efficient working order and in good repair.

An employer must also ensure that a suitable storage place must be provided for PPE when not in use.

Respiratory Protection

In selecting a respirator it is essential that the hazard is identified and quantified in order to ascertain the type and level of protection that is required. Different hazard types are dusts, mists, fumes, gases and vapours.

A physical filter can be used to protect against dusts, mists and vapours, whilst charcoal cartridges (not shown in this catalogue) must be used for gases and vapours. Overleaf we show the protection levels of each type and give some examples.

Ideally a wearer should know what Assigned Protection Factor (APF) they require.

Example of how to work out a required APF for e.g. wood dust:

Concentration in air =60mg/m²

Maximum Exposure Limit =5mg/m²

Minimum APF = 60/5 = 12

Therefore the minimum APF required is 12. Duration of exposure should also be taken into account.

Hearing Protection

Exposure to noise can be permanently damaging. If there is hazardous noise

pollution in the work place, the employee must be protected by wearing ear defenders.

Reducing noise pollution in this way is known as attenuation and it can be achieved by using different types of hearing protection which is covered by the European Standard EN352; this standard is split into a number of parts.

Each part of the standard is applicable to specific types of protector.

EN 352-1 Ear-muffs consists of two ear cups that are filled with acoustic foam. Each cup has a soft pad that is either foam or foam and liquid filled. The cups are held in place by a tensioning headband, neckband or chinband.

EN 352-2 Ear plugs are inserted into the ear canal to seal the entrance. Performed ear plugs reduce the possibility of contaminants such as dirt and grease from wearers hands entering the ear cavity.

Ear protection products have specific noise reduction properties (attenuation)

These types of product will state the noise reduction at High (H), Medium (M), and Low (L) frequencies. The abbreviation SNR is used to describe the standard Noise Reduction (average) a piece of equipment offers.

Eye and Face Protection

Regulation 4 of the Personal and Protective Equipment at Work Regulation 1992 requires protection for the face and eyes when personnel are at risk in a hazardous area.

Employers must provide PPE that offers suitable protection to personnel who may be exposed to potential health risks; selection of face and eye protection equipment depends on the type of hazard involved.

The Industrial Eye Protection Standard, EN166 offers various levels of protection. The amount provided by each product is indicated by the markings on the lens and the body of the product.



A Disposable fine-dust mask

- This item is not FFP rated, it is considered as a nuisance mask and will not protect against large particles and solids

| Protective class | Cat. No. |
|------------------|------------|
| Not FFP rated | 007.48.250 |

Order qty: 1 pc



B Disposable 1-strap fine-dust mask

- Protective class FFP2D for protection against toxic dusts, water and oil based mists and fumes up to 10 times the valid limit
- The 1-strap design with Ventex® Valve
- The nose flange cushions the nose bridge and provides a safe fit

| Protective class | Cat. No. |
|------------------|------------|
| FFP2D | 007.48.292 |

Order qty: 1 pc



C Disposable fine-dust mask with valve

- 3 protection levels available, all with Ventex® Valve which reduces exhalation resistance, humidity and heat under the mask
- With comfortable sealing lip

| Protective class | Cat. No. |
|------------------|------------|
| FFP1 | 007.48.280 |
| FFP2 | 007.48.282 |
| FFP3 | 007.48.281 |

Order qty: 1 pc

TCH-FF 2010, HUK: Dimensional data not binding. We reserve the right to alter specifications without notice.

Consumables

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