3M Science. Applied to Life.™

3M Integrated Protection Programme*

Working together.

PPE for TIG Welding



TIG welders strive for excellence – and deserve PPE that helps keep them safe, comfortable, and performing at their best. That's why we want to change the way workers look at PPE from many distinct categories to one comprehensive programme, with options addressing hazards and welders' unique needs – like clear visibility and a wide field of view for precision work. Part of the **3M Integrated Protection Programme,*** this example of PPE for TIG welding highlights how 3M's technologies and services may be used by workers for their various needs.

This is one example of a PPE combination; there are many potential combinations*

3M™ Speedglas™ Welding Helmet G5-02



- Large Auto-Darkening Lens field of view (150×76mm) with 3M™ Speedglas™ Curved Glass Technology
- Natural colour technology. Colours appear brighter and more realistic in both the light and dark states. And a more realistic view enables better control over your arc.
- High sensitivity arc detection ideal for TIG welding operations
- 4 Arc sensors reacting independently of each other prompting the welding filter to darken when a welding arc is struck

+

3M™ Secure Click™ HF-800 Series**



- Speaking diaphragm helps provide easy communication while working
- Exhalation valve helps direct exhaled breath and moisture downwards

+

Passive Hearing Protection



- **3M™ E-A-R™ Push-Ins™ Earplugs (Corded or Uncorded):** flexible stem with no roll-down design makes them easy and hygienic to use as you don't need to touch the foam tip

or



- **3M™ PELTOR™ Welding Earmuff H505B:** modern, stylish slim and semi-soft cup design that minimises scratch sound transmission

or

3M™ PELTOR™ Protective Communications



- **Electronic Earplugs EEP-100 EU:** designed to improve situational awareness and communication

+

3M™ SecureFit™ Protective Eyewear





- **3M™ Pressure Diffusion Temple Technology:** temples flex and self-adjust to the size of the wearer's head
- Available with 3M™ Scotchgard™ Protector Anti-Fog Coating

Contact us to learn more about 3M PPE options for other welding applications.

What is the 3M Integrated Protection Programme*?

PPE is most effective when worn properly, 100% of the time exposed to hazards –and it works best when it works together. Learn how the **3M Integrated Protection Programme*** may help address one or more of workers' various needs, including comfort, fit, compatibility, communication, or performance.

Download the brochure

Selecting PPE options

1. Identify task hazards and controls
2. Consider environment, comfort, compatibility, communication and wearability needs
3. Select the appropriate comprehensive PPE options
4. Fit test to help ensure that PPE fits and works together

***3M Integrated Protection Programme** refers to 3M's portfolio of personal protective equipment (PPE) options, technologies, and services, which may work together to help address one or more of the following worker needs, such as: comfort, fit, compatibility, communication, or performance. The depicted combinations are representative examples of which technologies may work together and are not comprehensive. Some environments or situations might require different or additional PPE. Selecting PPE is the responsibility of the employer and must be based on the work environment, specific hazards, and tasks involved. Fit testing is required to ensure that PPE combinations fit the individual wearer.

**For respiratory protection, the appropriate cartridge/filter must be chosen according to all applicable regulations. Selecting PPE is the responsibility of the employer and must be based on the work environment, specific hazards, and tasks involved.

Learn more at **3M.co.uk/Safety**

We can help you get started: Contact your 3M representative to learn about suggested PPE options to help meet your needs.

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Hearing Protection

⚠ WARNING

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional or your local 3M Personal Safety Division representative.

⚠ WARNING

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations or guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the attenuation label value(s) be reduced to better estimate typical protection.

Eye Protection

⚠ WARNING

These eye or face protection products help provide limited eye and face protection from flying particles, optical radiation, splash and/or other hazards. Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death. For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional or your local 3M Personal Safety Division representative.

Respiratory Protection



⚠ WARNING

These respirators help to protect against certain airborne contaminants. Proper selection, training, use and appropriate maintenance are essential in order for the product to help protect the wearer from certain airborne contaminants. Failure to follow all instructions on the use of these respiratory protection product and/or failure to properly wear the complete product during all periods of exposure may adversely affect the wearer's health lead to severe or life threatening illness or permanent disability. For suitability and proper use follow local regulations, refer to all information supplied or contact a safety professional or your local 3M Personal Safety Division representative.

Welding Safety

⚠ WARNING

This product is designed to help protect the wearer's eyes and face from harmful radiation including visible light, ultra-violet radiation (UV), infra-red radiation (IR), sparks and spatter resulting from welding processes. These products must be used only by qualified persons who are properly trained in their use and maintenance. Misuse may result in permanent eye injury and vision loss. Always wear an EN 166 compliant safety spectacles in addition to any welding helmet. For correct use, see supervisor and User Instructions, or contact your local 3M Personal Safety Division.

Important notice

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application.

As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: A limitation of liability applies to the 3M product(s). For warranty statement and limitation of liability, refer to your supply agreement or the 3M terms & conditions of sale.

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.

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This document shows only a few options of personal protective equipment (PPE) and is not comprehensive. Some environments or situations might require different or additional PPE. Selecting PPE is the responsibility of the employer and must be based on the work environment, specific hazards, and tasks involved. For information on personal protective equipment, please visit **www.3M.co.uk/Safety** or contact 3M PSD Technical Service.

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