












Working together.

PPE for work with silica

Workers in industries such as Construction, Mining and Foundries may encounter materials with crystalline silica in a range of operations. Additional eye, head, fall and noise hazards often exist during tasks where respirable crystalline silica is generated, such as grinding, finishing, shake down operations, etc. That's why we want to change the way workers look at PPE from many distinct categories to one comprehensive program, with options addressing hazards and worker needs such as comfort and communication. Part of the **3M Integrated Protection Program**,* this example of PPE for work with exposure to silica 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*

	<p>3M™ Aura™ Particulate Respirator 9211+, N95**: 3M™ Cool Flow™ Valve helps release warm and moist exhaled breath from inside the respirator</p>		<p>3M™ Versaflo™ Heavy Industry PAPR Kit TR-600-HIK**</p>
or			
+	<p>3M™ Rugged Comfort Quick Latch Half Facepiece Reusable Respirator 6500QL** with 3M™ Particulate Filter 2091 or 2097 if nuisance odors are present</p>	or	
+	<p>3M™ Clear Propionate Faceshield W96 and 3M™ U5B-ANSI Faceshield Holder</p>		
+	<p>3M™ SecureFit™ X5000 Series Safety Helmet: climbing style helmet with suspension system incorporating exclusive patented 3M™ Pressure Diffusion Technology</p>		<ul style="list-style-type: none"> Respiratory protection against dusts, mists, fumes and other particulate hazards, and a variety of gas and vapor hazards, including organic vapor and acid gas
+	<p>3M™ SecureFit™ Hard Hat H-700 Series: traditional cap and full brim design with suspension system incorporating exclusive patented 3M™ Pressure Diffusion Technology</p>		<ul style="list-style-type: none"> Headtops available with integrated faceshields and hard hats
+	<p>3M™ SecureFit™ 500 Series Protective Eyewear: 3M™ Pressure Diffusion Temple Technology: temples flex and self-adjust to the size of the wearer's head</p>		
+	<p>Passive Hearing Protection</p> <ul style="list-style-type: none"> 3M™ E-A-R™ Push-Ins™ Earplugs 318-1001, Corded 3M™ PELTOR™ Optime™ 105 Earmuffs H10P3E 3M™ PELTOR™ X4P3E, Helmet Attached Earmuffs 		<p>or</p> 
or	<p>3M™ PELTOR™ WS™ LiteCom Plus Headset MT73H7P3E, Hard Hat Attached</p> <ul style="list-style-type: none"> Enables clear communication in noisy environments without removing PPE The 3M™ PELTOR™ Boom Microphone MT7V/1 enables clear communication when using a 3M™ Versaflo™ M-300 Series Respirator Hard Hat 		



What is the 3M Integrated Protection Program*?

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 Program*** 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

[Download the eBook](#) to learn more about 3M PPE for work with silica.

*3M Integrated Protection Program 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.com/
WorkingTogether

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 and PELTOR

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 correct use, consult supervisor and User Instructions, or call 3M PSD Technical Service in the USA at 1-800-665-2942.

WARNING

U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 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. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

Eye Protection

WARNING

These eye or face protection products help provide limited eye and face protection. Misuse or failure to follow warnings and instructions may result in serious potential injury, including blindness or death. For proper use, selection and applications against flying particles, optical radiation and/or splash see supervisor, read User Instructions and warning on the package or call 3M PSD Technical Service in the USA at 1-800-243-4630. In Canada, call 1-800-267-4414. 3M PSD products are for occupational use only.

Head Protection

WARNING

3M Head and Face Products provide limited protection only. Misuse or failure to follow warnings and User Instructions may result in serious personal injury or death. For proper use, see supervisor, User Instructions, or call 3M Personal Safety Division Technical Assistance at 800-243-4630.

Respiratory Protection

WARNING

These respirators help to protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standard Z94.4 requirements must be met and/or requirements of applicable jurisdiction, as appropriate. Improper use may result in sickness or death. For correct use, see supervisor and User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

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 local 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: Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

For industrial/occupational use only. Not for consumer sale or use.

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 [3M.com/workersafety](https://www.3m.com/workersafety) or contact 3M PSD Technical Service at 1-800-243-4630.



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For more information in the U.S.
Technical Assistance 1-800-243-4630
Customer Service 1-800-328-1667
[3M.com/workersafety](https://www.3m.com/workersafety)

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