

Latest Innovations in Personal Protective Equipment

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The Power
to Protect
Your WorldSM



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Barriers to Correct Use of PPE*

- Don't know the correct PPE to wear
 - *Safety training inadequate*
 - *Supplier support may be inadequate*
- Correct PPE is not accepted
 - *Hinders productivity*
 - *Don't understand the hazard*
 - *Safety is not a priority*
 - *Discomfort*
 - *Poor function for the job*

*Kim Faulkner, Ph.D., NIOSH National Personal Protective Technology Laboratory (NPPTL)
Dennis Groce, Ph.D., Badger Technical Services, Inc.

Fit Testing for Hearing Protection

- F-MIRE Technology
- Personal Attenuation Rating (PAR)
- Fit, Train, Motivate
- 3M™ E-A-Rfit™ Validation System

Level of protection at seven standard frequencies.



In-Ear Tactical Communication Headset

- Hearing Protection & Tactical Communication
- In-Ear Communications Microphone
- Compatible with most respirators, eyewear, face masks, helmets and hard hats
- 3M™ Peltor™ ORA TAC



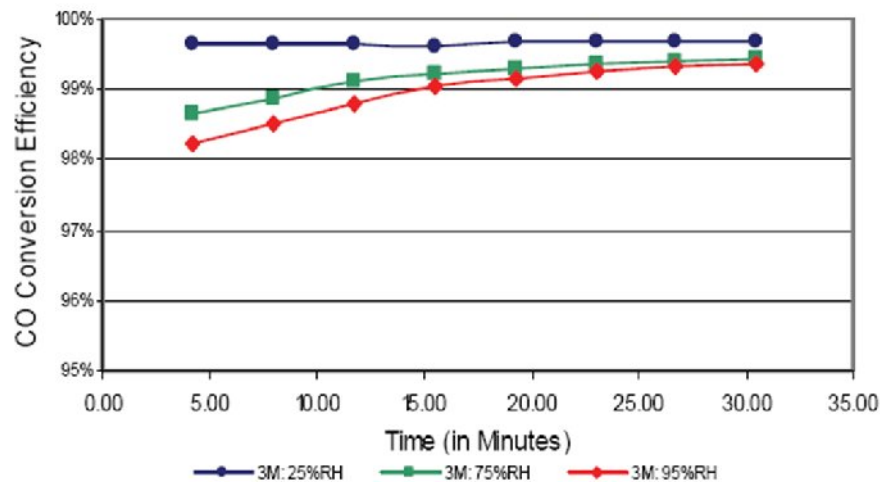
Ultraviolet Light Sensor

- Colorimetric End of Life Indicator
- Know when it's time to replace a hard hat due to extended UV exposure
- 3M™ Uvicator™ Sensor



Sputtered Nanogold Catalysts

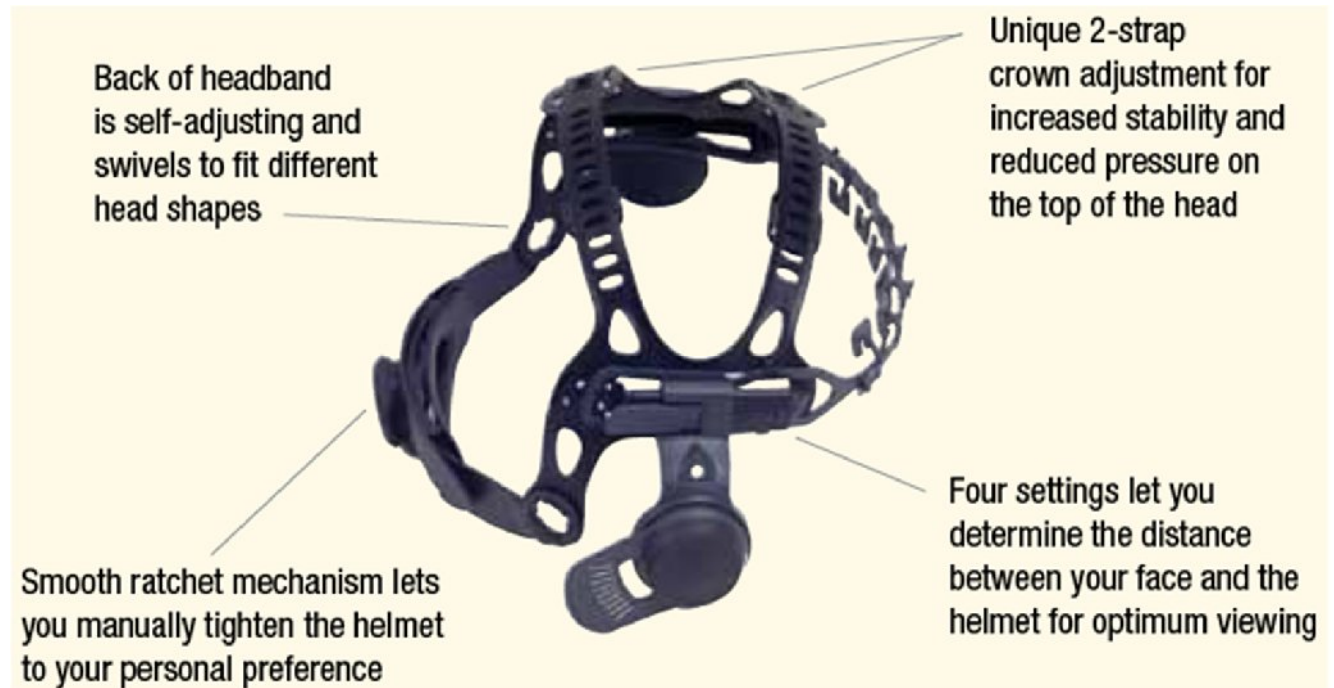
- Efficient removal of CO in high humidity, even at or below room temperature
- Effective in high and low concentrations of carbon monoxide
- Greater efficiency leading to reduced catalyst weight
- Respiratory protection, mine shelter applications



All tests conducted with 25 cc of catalyst, CO 3000 ppm, 32lpm, at room temperature

Comfort Head Suspension

- Increased Stability
- Improved Weight Distribution
- Reduced Pressure



Improved Anti-Scratch Coating

- Helps keeps lenses clear, longer
- At least four times more scratch resistance than any other hard coat on 3M non-prescription safety eyewear
- Helps lowers replacement costs by extending the life of the lens
- 3M™ Rugged Anti-Scratch (RAS) Coating

3M Value Added Services

- **Technical Service Core Competencies**
 - *Providing technological leadership and support;*
 - *Assisting customers to find the right product for their application;*
 - *Knowledge of product performance characteristics and composition;*
 - *Understanding of technical requirements necessary for a variety of applications;*
 - *Knowledge of manufacturing processes and quality standards;*
 - *Understanding of local regulatory requirements and legislation;*
 - *Superior communication skills and ability to monitor and respond to change*
- **Services**
 - *Technical Product Support*
 - *Regulatory Affairs / Standards Development*
 - *NIOSH Submissions / ANSI compliance*
 - *Trade Compliance / Country of Origin*
 - *US Phone Support (Helpline)*
 - *Internet-Based Customer Support*
 - *Training Program Development – Standard, Custom and Web*
 - *Global Technical Service Support*

Our Technical Service Promise

To help our customers to provide a safe working environment for their employees by providing them with current and accurate 3M health and safety solutions to address their specific needs.



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