



Respiratory Protection



Respiratory Protection

Dual-Cartridge Respirators for Professional Use



Professional Multi-purpose Respirator with Drop-down Feature

62023D

- Use for certain mold, lead and sprays from coatings and sealants
- For workplace/occupational use only
- Drop-down feature for more versatility
- Balanced design for more comfort
- Sweptback cartridges for improved visibility
- NIOSH approved: OV/AG/P100

x1 1 assembly 62023DHA1-C



Professional Multi-purpose Respirator

62023

- Use for certain mold, lead and sprays from coatings and sealants
- For workplace/occupational use only
- Balanced design for more comfort
- Sweptback cartridges for improved visibility
- NIOSH approved: OV/AG/P100

x1 1 assembly 62023HA1-C



Replacement Cartridges

60923

- Use for certain mold, lead and sprays from coatings and sealants
- Use with 3M™ 6000 or 7500 Series facepieces
- Pair of cartridges
- NIOSH approved: OV/AG/P100

x1 1 pair/pack 60923HB1-C

WARNING! See use applications and warnings on inside back cover.

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Respiratory Protection

Dual-Cartridge Respirators for Professional Use



Lead Paint Removal Respirator

62093

- Use for sanding and scraping of lead-based paint in certain projects
- For workplace/occupational applications only
- Balanced design for more comfort
- NIOSH approved: P100

x1 1 assembly 62093HA1-C



Replacement Filters

7093

- Use for sanding and scraping of lead-based paint in certain projects
- For workplace/occupational applications only
- Use with 3M™ Lead Paint Removal Respirator
- NIOSH approved: P100

x1 1 pair/pack 7093HB1-C



Particulate Filters

2097

- Use for sanding and scraping of lead-based paint in certain projects
- Use for mold remediation in accordance with US-EPA Guidelines
- For workplace/occupational applications only
- Fits 3M™ 6000 series half face respirators
- NIOSH approved: P100

x2 2 pair/pack 2097HA1-C

Respiratory Protection

Dual-Cartridge Respirators for Do-It-Yourself Use



Household Multi-purpose Respirator

65021

- Use for certain non-harmful sprays and vapors from pesticides, stains, varnishes, coatings, sealants and odor reduction
- For do-it-yourself/homeowner applications
- Balanced design for more comfort
- Sweptback cartridges for improved visibility
- NIOSH approved: OV/P100

x1 1 assembly 65021HA1-C



Replacement Cartridges

60921

- Use for certain non-harmful sprays and vapors from pesticides, stains, varnishes, coatings, sealants and odor reduction
- For do-it-yourself/homeowner applications
- Use with Household Multi-purpose Respirator
- Pair of cartridges
- NIOSH approved: OV/P100

x1 1 pair/pack 60921HB1-A

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Respiratory Protection

Disposable Respirators



Sanding and Fiberglass Valved Respirator

8511

- Use for non-harmful dusts from sanding, grinding, sawing and insulating particles
- 3M™ Cool Flow™ Valve for heat reduction and easier breathing
- M-noseclip allows for fewer pressure points and greater comfort
- Advanced filter media for easier breathing
- NIOSH approved: N95

x1 1 pack 8511HA1-C

x10 10 pack 8511HB1-C



Sanding and Fiberglass Respirator

8200

- Use for non-harmful dusts from sanding, grinding, sawing and insulating particles
- Proprietary filter technology for easier breathing
- NIOSH approved: N95

x1 1 pack 8200XC1-C

x3 3 pack 8200HA1-A

x10 10 pack 8200HB5-A

x20 20 pack 8200HB1-C



Welding Valved Respirator

8515

- Use for certain welding, soldering, metal sanding and grinding
- For workplace/occupational applications only
- 3M™ Cool Flow™ Valve technology for heat reduction and easier breathing
- NIOSH approved: N95

x1 1 pack 8515HA1-A

Respiratory Protection

Disposable Respirators



Workshop Odor Respirator

8247

- Use in non-harmful oil and non-oil environments
- Carbon layer for odor reduction
- Advanced filter media for easier breathing
- NIOSH approved: R95

x1 1 pack 8247HA1-C



Bleach Odor Respirator

8246

- Use to help provide relief from annoying odors of non-harmful household cleaners and disinfectants, such as chlorine bleach
- Carbon layer for nuisance levels of acid gas
- NIOSH approved: R95

x1 1 pack 8246HA1-A



Project Safety Kit

93005

- Includes 3M™ 8200 N95 Sanding and Fiberglass Respirator, 91252 Chemical Splash/Impact Goggle, 90586 Corded Reusable Earplugs
- For do-it-yourself/homeowner applications
- Excellent value, high-quality components and materials

x1 1 kit 93005

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Respiratory Protection

Dust Masks



Home Dust Mask

8661

- Use for relief from non-harmful household dust
- Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose
- Not NIOSH approved

x5 5 pack 8661HA1-A

Respiratory Protection

Reference

Respiratory Protection

A half facepiece respirator generally covers the mouth and nose and helps to reduce the wearer's exposure to certain airborne contaminants when worn properly. Respirators may include filters that trap airborne particles and/or chemical cartridges that remove nuisance odors, certain organic vapors and/or acid gases. In the U.S., professional users must comply with all aspects of Occupational Safety and Health Administration (OSHA) regulation 1910.134 if respiratory protection is required. Do-it-yourselfers cannot be assured respiratory protection, as they are not regulated by OSHA regarding proper respirator selection and usage and are not part of respiratory protection program as required by OSHA.



NIOSH Certification

In the U.S., all respirators must be certified by the National Institute for Occupational Safety and Health (NIOSH) and must be used in accordance with the terms of that certification. All filters, cartridges and canisters must be labeled with the appropriate NIOSH approval label. The label must not be removed or defaced while it is in use.

3M N95, R95, P95 and P100 filters meet NIOSH 42CFR 84 regulations regarding the filter classifications indicated. These filters differ by filter efficiency levels and to the extent, if any, they are degraded by oily materials.

NIOSH Ratings

N95

N95 means that the filter provides at least 95% filtration efficiency against solid and liquid aerosols that do not contain oil.

R95

R95 means that the filter provides at least 95% filtration efficiency against solids and liquid aerosols and is somewhat resistant to oils.

P95

P95 means that the filter provides at least 95% filtration efficiency against solids and liquid aerosols and is strongly resistant to oils.

P100

P100 indicates that the filter provides a minimum of 99.97% filtration efficiency against solid and liquid aerosols, including oils.

OV

NIOSH approval: Certain organic vapors.

AG

NIOSH approval: Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only).

OV/AG

NIOSH approval: Certain organic vapors, chlorine, hydrogen chloride, and sulfur (escape only) or hydrogen fluoride.

Maintenance and Care

Respiratory recommendations are for typical activities carried out in open, well-ventilated areas. It is important to read, understand and follow the warnings provided in the User Instructions before any of these products are worn.

Always inspect the respirator in accordance with the user instructions prior to use for cleanliness and defects. Replace any respirator with cracks, dents, tears or loose parts immediately. See product user instructions for additional information on use and care.

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Eye Protection



Eye Protection

Premium Safety Eye Protection



Fuel™ X2 Safety Eyewear

90877 — Clear lenses, gunmetal gray frame

90878 — Gray lenses, glossy black frame

- Grooved temple design
- Adjustable nosepiece
- Anti-fog coating
- Includes microfiber storage bag and lanyard
- Meets ANSI Z87.1-2010 standards



Fuel™ Classic Safety Eyewear

92228 — Brown lenses, light bronze frame

92229 — Gray mirror lenses, dark bronze frame

- Contoured temples
- Anti-scratch lens coating
- Impact-resistant lenses absorb up to 99.9% UV
- Includes microfiber storage bag and lanyard
- Meets requirements of ANSI Z87.1-2003

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Eye Protection

Premium Safety Eye Protection



Fuel™ Sport Safety Eyewear

- 92224 — Gray mirror lenses, silver/black frame
- 90988 — Blue mirror lenses, platinum frame
- 90987 — Red mirror lenses, titanium frame
- 92227 — Gray lenses, brushed gunmetal frame
- 92226 — Gray lenses, pearlized dark blue frame

- Durable vented temples
- Anti-scratch coating
- Impact-resistant lenses that absorb up to 99.9% UV, UVA & UVB
- Includes hard shell storage case
- Meets requirements of ANSI Z87.1-2003 (92224, 90988, 90987)
- Meets requirements of ANSI Z87.1-2010 (92227, 92226)

Eye Protection

Premium Safety Eye Protection



ForceFlex™ Plus Safety Eyewear

- 92235 — Gray lenses, glossy black frame

- Innovative combination of strength, comfort and performance, without sacrificing style
- Flexible and resilient frames for a customizable fit
- Soft rubber accents for all-day comfort
- Multi-injection technology fuses lens to frame
- Designed with the latest technology to keep vision clear, with impact-resistant lenses that absorb 99.9% UV
- Anti-scratch lens coating
- Includes microfiber storage bag and lanyard
- Meets ANSI Z87.1-2010 standards

ForceFlex™ Flexible Safety Eyewear

- 92232 — Clear lenses, glossy black frame

- 90897 — Gray lenses, dark blue frame

- 92231 — Gray lenses, glossy black frame

- Innovative flexible design and resilient frames
- Multi-injection technology fuses lens to the frame
- Soft features for a comfortable fit
- Anti-scratch coating
- Impact-resistant lenses absorb up to 99.9% UV
- Includes microfiber storage bag and lanyard
- Meets requirements of ANSI Z87.1-2003 (92231)
- Meets requirements of ANSI Z87.1-2010 (92232, 90897)

Metallic Safety Eyewear

- 90788 — Indoor/outdoor mirror lens, silver frame

- Single-lens design
- Soft nosepiece
- Anti-scratch coating
- Includes microfiber storage bag and lanyard
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



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Eye Protection

Holmes Workwear™ Eye Protection



3M and Mike Holmes have partnered to create an innovative and durable new line of eyewear that helps professionals and homeowners protect themselves.

The Holmes Workwear™ Safety Glasses line includes a variety of indoor and outdoor eyewear that features impact-resistant lenses that absorb up to 99.9 percent of UV rays. Additionally, the eyewear boasts a dual-lens contoured frame for a protective, wraparound fit, soft nosepieces and temple inserts to keep eye protection comfortably in place.

Mike Holmes, host and creator of Holmes on Homes,® is a contractor whose mission is to Make It Right.® Mike has more than 30 years of hard work on job site after job site and is an advocate for the unheard homeowner. He continues to help desperate homeowners in hopeless situations through his new series, Holmes Makes It Right.



Eye Protection

Holmes Workwear™ Eye Protection



Holmes Workwear™ Safety Glasses

90204 — Outdoor tinted lenses, black frame

- Premium, high-quality eye protection with a modern yet tough frame design
- Designed for use outdoors
- Molded from impact-resistant polycarbonate which results in a durable yet lightweight frame
- Built with smart comfort features
- Dual-lens contoured frame for a protective, wraparound fit
- Impact-resistant lenses absorb up to 99.9% UV, protecting your eyes while you work
- Wide temples for side protection
- Anti-scratch coating
- Soft nosepieces and temple inserts for additional comfort and to help keep eye protection in place
- Includes microfiber bag, carabiner and lanyard
- Meets ANSI Z87.1-2010 Standards

Holmes Workwear™ Safety Glasses with Cord Management System

90205 — Clear lenses, yellow/clear frame

90206 — Outdoor tinted lenses, black frame

- Sleek, wraparound frame design
- Includes 3M Corded Reusable Earplugs
- Corded hearing protection acts as a lanyard helping keep eye protection conveniently located around the neck
- Contoured frame for a protective, wraparound fit
- Impact-resistant lenses absorb up to 99.9% UV, protecting your eyes while you work
- Anti-scratch coating
- Meets requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



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Eye Protection

Performance Eye Protection — By Features and Functions



Flat Temple Safety Eyewear

47010 — Clear lenses, black/red frame

47011 — Gray lenses, black/red frame

- Flat temples provide comfortable fit with earmuffs
- Soft, comfortable nosepiece
- High-impact-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010



Active Safety Eyewear

47020 — Gray lenses, black/red frame

- Aerodynamic design goes effortlessly from work to play
- Sport-grip temples and comfort nosepiece
- High-impact- and scratch-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010



Adjustable Safety Eyewear

47000 — Clear lenses, black/gray frame

- Designed with five adjustable temple positions and adjustable nosepieces for a customizable fit
- Anti-fog lens coating
- High-impact-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010

Eye Protection

Performance Eye Protection — By Features and Functions



Sports-inspired Safety Eyewear Dual-lens Design

90703 — Clear lenses, green frame, carded

90596 — Clear lenses, blue frame, hang-tag

- Contoured frame design
- Soft temple inserts
- Anti-scratch coating
- Meets the requirements of ANSI Z87.1-2010



Sports-inspired Safety Eyewear Rimless Design

90965 — Blue lenses, chrome frame

- Rimless, winged style with comfort temples
- Soft nosepiece
- Anti-scratch coating
- Meets the requirements of ANSI Z87.1-2003 and CSA Z94.3-2007

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Eye Protection

Classic Eye Protection — By Style



Wide Temple Design

90190 — Indoor/outdoor mirror lenses, shiny black frame

90191 — Gray lenses, shiny black frame

- Wide temples for side coverage
- Durable frame construction
- Impact-resistant lenses absorb up to 99.9% UV
- Available carded or with hang-tag
- Meets requirements of ANSI Z87.1-2003 (90190)
- Meets requirements of ANSI Z87.1-2010 (90191)



Dual-lens Design

90763 — Blue mirror lenses, glossy black frame

- Anti-scratch coating
- Mirrored lenses
- Available carded or with hang-tag
- Meets the requirements of ANSI Z87.1-2003



Semi-rimless Design

90958 — Light silver mirror lenses, black frame, hang-tag

90974 — Light silver mirror lenses, black frame, carded

90959 — Yellow lenses, black frame, hang-tag

90966 — Yellow lenses, black frame, carded

- Semi-rimless design
- Soft nosepiece and adjustable temples
- Anti-scratch coating
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



Wraparound Design

90950 — Clear lenses, black frame, hang-tag

90970 — Clear lenses, black frame, carded

90969 — Gray lenses, black frame, carded

- Wraparound design
- Adjustable temples with soft comfort accents
- DX™ anti-fog hard coat helps protect lens from fog, scratching and most chemicals
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



Eye Protection

Value Eye Protection



SecureFit™ Safety Eyewear

SF200 — Clear lenses

SF201 — Gray lenses

- Features 3M Pressure Diffusion Temple Technology – a scientific advancement that helps diffuse pressure over the ear, enhancing comfort while ensuring a secure fit
- Automatically self-adjust for a customizable fit
- Anti-fog lens coating
- High-impact-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010



Virtua™ AP Safety Eyewear

47040 — Clear lenses, clear frame

47041 — Gray lenses, gray frame

- Weighs less than 1 ounce
- Stylish, high-wrap lenses
- High-impact- and scratch-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010



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Eye Protection

Value Eye Protection



Indoor and Outdoor Safety Eyewear

90551 — Indoor, clear lenses

90552 — Outdoor, gray lenses

- Lightweight – weighs less than 1 oz.
- Anti-scratch coating
- Available in 6-count and 20-count boxes
- Meets the requirements of ANSI Z87.1-2010

x6 Contractor 6-Pack

x20 Contractor 20-Pack



General Purpose Safety Eyewear

90780 — Clear lenses

90781 — Gray lenses

- Anti-scratch coating
- One-piece wraparound construction provides front and side protection
- Built-in sideshields
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007

Eye Protection

Specialty Eye Protection



Fuel™ X2P Polarized Eyewear

90879 — Gray lenses, two-tone black frame

- Polarized lenses with anti-scratch coating
- Grooved temple design
- Adjustable nosepiece
- Includes microfiber storage bag and lanyard
- Meets the requirements of ANSI Z87.1-2003



Light Vision™ II LED Safety Eyewear

97490 — Clear lenses, gray frame

- Two side-mounted, ultra-bright adjustable LEDs
- Anti-scratch coating
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



Readers Safety Eyewear

91191 — Clear lenses, black frame, +1.5 Diopter Strength

91192 — Clear lenses, black frame, +2.0 Diopter Strength

91193 — Clear lenses, black frame, +2.5 Diopter Strength

- Designed for those who need reading glasses and the protection of safety glasses
- Eliminates the need to switch between safety glasses and non-protective reading glasses to read or see fine details
- Anti-scratch coating
- Adjustable temple lengths
- Meets the requirements of ANSI Z87.1-2010 and CSA Z94.3-2007



Eyeglass Protectors

47030 — Clear lens, clear frame

- Excellent protection for those who wear prescription eyewear
- Designed to be worn over prescription glasses
- Built-in side shields provide front and side protection
- High-impact- and scratch-resistant lenses absorb 99.9% UV
- Meets the requirements of ANSI Z87.1-2010

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Eye Protection

Goggles



Professional Chemical Splash/Impact Goggle

91264

- Helps protect eyes from certain airborne particulates and chemical splash
- Meets the requirements of ANSI Z87.1-2010



Chemical Splash/Impact Goggle

91252

- Vents help reduce fogging
- Helps protect eyes from certain airborne particulates and chemical splash
- Anti-scratch coating
- Chemical-resistant headband
- Meets the requirements of ANSI Z87.1-2010

 **Clip-strip available 90519**

Eye Protection

Reference

Eye Protection



In the United States, eye injuries are the second-leading cause of visual impairment¹ after cataracts.

According to the epidemiology of serious eye injuries from the United States Eye Injury Registry, an estimated 1,400 of every 100,000 U.S. citizens will sustain an eye injury in their lifetime.²

According to the American Academy of Ophthalmology (AAO) and the American Society of Ocular Trauma, there are 2.5 million eye injuries in the United States annually, more than half of which (1.5 million) happen at home, usually during work around the home. Despite the fact that 90 percent³ of these injuries could be prevented by using appropriate eyewear, a survey by AAO showed that only 35 percent of people wear protective eyewear when working at home.

¹ "Eye Trauma Epidemiology and Prevention." Welcome to USEIR Online. United States Eye Injury Registry, 2007. Web. 24 June 2010. <http://www.useironline.org/Prevention.htm>

² The epidemiology of serious eye injuries from the United States Eye Injury Registry. Graefes Arch Clin Exp Ophthalmol. 2000 Feb; 238(2):153-7

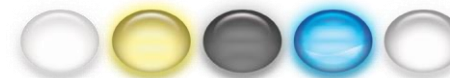
³ "Eye Injuries at Home: EyeSmart." American Academy of Ophthalmology. Feb. 2009. Web. 24 June 2010. <http://www.aao.org/eyesmart/injuries/home.cfm>

Lenses

Lens Materials

3M non-prescription or plano safety eyewear use polycarbonate lenses — the strongest, most impact-resistant eyewear lens material available. Polycarbonate lenses are lightweight and provide 99.9% UV protection. In addition, polycarbonate material used in conjunction with anti-fog coatings is less likely to fog than other lens materials.

Lens selection



For some, a choice in lens simply reflects a personal preference. However, a lens color can denote suitability for a particular task or application. Lenses come in different tints and colors including UV or IR exposure, vision enhancement or glare reduction.

Clear

Clear lenses are best suited for indoor applications and for outdoors when a tinted lens is not desired or glare is not a factor.

- Provides the highest Visible Light Transmission (VLT)
- Most commonly used lens for indoor use

Yellow/Amber

Yellow/amber lenses filter out hazy light. They have excellent UV absorption and increase contrast. They are good for detail work, inspections and electronic work. Use for dawn/dusk applications or for hazy, overcast or foggy days. Do NOT use yellow lenses for night driving.

- Filters out hazy light
- Excellent UV absorption
- Increases contrast
- Do NOT use yellow lenses for night driving

Gray

Gray lenses help protect against glare and bright light (such as sunlight), and they transmit colors evenly without distortion.

- Helps protect against glare and bright light (such as sunlight)
- Transmits colors evenly without distortion

Silver Color Mirror/Blue Mirror/Red Mirror

These mirrored lens colors help reduce glare and decrease visual brightness. They are ideal for most outdoor daytime applications. Mirror coatings reflect light and reduce the amount of light passing through the lens.

- Help reduce glare and decrease visual brightness
- Reflects light
- Reduces the amount of light passing through the lens

Indoor-Outdoor

Indoor-outdoor lenses provide excellent vision in both outdoor and normal indoor lighting. Plan on using these types of lenses for tasks that require frequent movement from indoors to outdoors and vice versa (cutting outside but installing the trim inside).

- Provides excellent vision in both outdoor and normal indoor lighting
- Ideal for tasks that require frequent movement from indoors to outdoors and vice versa
- Useful when trying to reduce excessively bright or glaring light without significant dimming, as a gray lens might cause

Photochromatic

Photochromatic lenses help reduce brightness and glare from the sun and indoor lighting. Keep in mind that this type of lens will darken when outside and lighten when inside, so do not use them for projects where you have to move from indoors to outdoors, as the lenses may not transition quickly enough for you to safely see what you are working on.

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Eye Protection

Reference

- Helps reduce brightness and glare from the sun and indoor lighting
- Darkens when outside and lightens when inside, reducing the number of safety glasses needed for a single project
- Typically changes from dark to clear in about 35 seconds (clear state allows 77.5% light transmission)
- Typically changes from clear to gray in 8 seconds (reduces sun glare allowing just 22% light transmission)

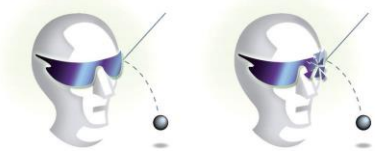
Polarized

Polarized lenses are designed to help reduce brightness and glare from the sun. Horizontally polarized light is blocked by the vertically oriented polarizers in the lenses. The result: a reduction in annoying and sometimes dangerous glare. The principle of polarized light reduction is best illustrated by thinking of a polarized lens as a Venetian blind. The blind blocks light at certain angles while allowing light to transmit through selected angles. Polarizing filters are aligned 90° to the angle of the polarized light.

- Reduces eyestrain, greater comfort
- Improves visual acuity, provides safety
- Realistic perception
- Reduces reflections and enhances visual clarity

Levels of Eye Protection

There are two levels of eye protection as defined by the ANSI Z87.1 Standards that apply to frames and lenses – Basic and High Impact.



¹ Canadian Eyewear Standards are addressed in CSA Z94.3

Basic Impact Lens Requirements:

Must pass the ball drop test. A 1" diameter steel ball is dropped on the lens from a height of 50".

High Impact Lens Requirements:

Must pass high-velocity testing, where 1/4" steel balls are shot at different velocities.

- Eyewear: 150 ft./sec.
- Goggles: 250 ft./sec.
- Face Shields: 300 ft./sec.

In addition, lenses must pass a high-mass impact test, where a 1.1 lb. pointed projectile is dropped onto the lens from a height of 50".

Frames

All eyewear (spectacles, goggles, faceshields and welding helmets) frames/housings must comply with the high-impact requirement while retaining the lens.

UV Protection

Ultraviolet light is a form of radiation invisible to the human eye. Exposure to UVA and UVB light — components of UV light — has been linked to eye cataracts and other eye disorders, such as macular degeneration. 3M safety eyewear provides protection from 99.9% of UV rays.

Additional Information

Product Markings

All spectacles, goggles and faceshields must be marked with appropriate level of protection.

Eyewear Lenses

- Basic Impact :: Manufacturer's Mark and ANSI Standard = 3MZ87
- High Impact :: Mfr's Mark, ANSI Standard and Plus Sign = 3MZ87+
- Specialty Lens :: Mfr's Mark, ANSI Standard and "S" = 3MZ87+S

Goggle & Faceshield Lenses

- Basic Impact :: Manufacturer's Mark and ANSI Standard = 3MZ87
- High Impact :: Mfr's Mark, ANSI Standard and Plus Sign = 3MZ87+

Note: 3M highly recommends wearing eye protection when wearing headgear/faceshields.

Maintenance & Care

Safety eyewear should be inspected prior to use since excessive scratching, pitting and cracking will reduce the eyewear integrity. Any eyewear with cracks or other defects should be replaced immediately. Also, any eyewear worn during an eye accident should be replaced. Eyewear should be put on and removed with two hands to prevent bowing or misalignment of the temples and should not be stored in sunlight.

Maintenance Tips

- Never wipe or clean eyewear lenses when they are dirty. Wash or blow off dust or grit
- Never use paper products, such as facial tissues, on eyewear lenses since wood fibers may scratch the lenses
- Wash lenses in warm water and let air dry or pat with soft cloth
- Keep eyewear in protective case or storage bag
- Don't rest the eyewear face down (on lenses) on a flat surface



Hearing Protection



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Hearing Protection

Earmuffs



Professional Hearing Protector

90561

- Excellent fit and comfort while providing protection
- Fully adjustable, steel-wire padded headband
- Patented twin-cup design
- NRR 30 dB



Low-profile Earmuff

90560

- Folding headband for easy storage
- Low-profile cup design
- Foam cushions
- NRR 21 dB

Hearing Protection

Earmuffs



Folding Earmuff

90559 — Blue cups

91248 — Black cups

- Folds away for easy storage
- Adjustable
- NRR 23 dB



WorkTunes™ Hearing Protector featuring Voice Assist

90541

- AM/FM radio and hearing protector all-in-one
- Voice Assist makes product easier to use
- Bass Boost options enhance users listening experience
- MP3 or scanner compatible
- Lightweight and comfortable
- Soft foam ear cushions
- Fully adjustable
- NRR 24 dB

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Hearing Protection

Disposable and Reusable Earplugs



Disposable Earplugs

92050 — 4 pair/pack

92077 — 7 pair/pack

- Smooth and soft foam formulation
- Expands slowly to fit most ear canals
- NRR 32 dB

x4 4 pair/pack

x7 7 pair/pack



Disposable Earplugs

92059

- Ultra-soft foam for comfortable all-day wear
- Expands slowly to fit most ear canals
- Packaged in 80-pair box
- NRR 32 dB



Disposable Classic™ Earplugs

90580 — 4 pair/pack

90579 — 50 pair/box

90581 — 200 pair/box

- Soft foam comfortable to wear over extended time
- Expands slowly to fit most ear canals
- NRR 29 dB

x4 4 pair/pack

x50 1 pair dispenser box (50 count)

x200 1 pair dispenser box (200 count)

Hearing Protection

Disposable and Reusable Earplugs

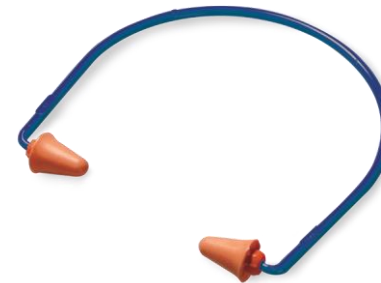


Corded Reusable Earplugs

90586 — 1 pair with case

- Triple-flange design for a comfortable, snug fit
- Cord reduces the chance of losing earplugs
- NRR 25 dB

x3 3 pair/pack



Banded Hearing Protector

90537

- Lightweight and adjustable
- Store around neck when not being used
- Pods are washable, detachable and replaceable
- NRR 28 dB



Replacement Pods for 90537

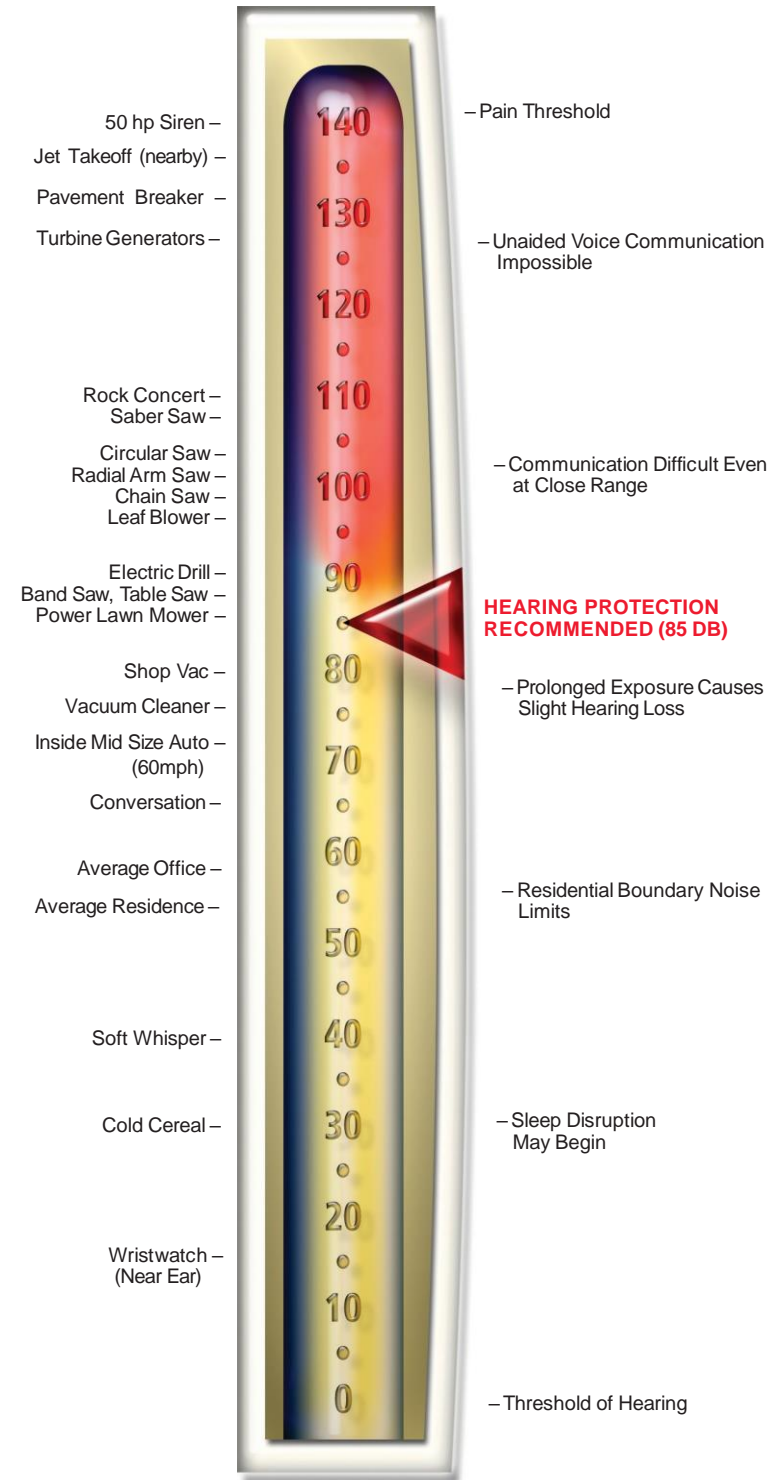
90538 — 2 pair/pack

WARNING! See use applications and warnings on inside back cover.

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Hearing Protection

Decibels Chart*



General Safety Protection



WARNING! See use applications and warnings on inside back cover.

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* Source: Life Can Be Loud 2007, Elliott H. Berger, M.S., 3M Senior Scientist, Auditory Research

General Safety Protection

Head Protection



3M™ Vented UV Indicator Hard Hat with Ratchet Adjustment

92000 — White

92001 — Yellow

- Sun-Smart Sensor for increased hard hat safety: UV indicator lets wearers know when to replace hard hat due to UV exposure
- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with 3 levels of height adjustment
- Includes a replaceable, ventilated foam brow pad that includes a cover for comfort and ventilation between the forehead and the foam
- Improved smaller, smoother turning 4-point ratchet suspension system
- Made in the USA with globally sourced materials
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets the requirements of ANSI/ISEA Z89.1-2009 Type 1, Class C
- Meets CSA Z94.1-2005 Type 1, Class C requirements

UV Indicator Shows Hard Hat Status



3M™ Vented Hard Hat with Ratchet Adjustment

91270 — White

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with 3 levels of height adjustment
- Includes a replaceable, ventilated foam brow pad that includes a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system.
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets the requirements of ANSI/ISEA Z89.1-2009 Type 1, Class C
- Meets CSA Z94.1-2005 Type 1, Class C requirements



General Safety Protection

Head Protection



3M™ Non-Vented Hard Hat with Ratchet Adjustment

91297 — White

91298 — Yellow

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with 3 levels of height adjustment
- Includes a replaceable, ventilated foam brow pad that includes a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets the requirements of ANSI/ISEA Z89.1-2009 Type 1, Dielectric Class C, G and E
- Meets CSA Z94.1-2005 Type 1, Dielectric Class C, G and E requirements

3M™ Full-Brim Non-Vented Hard Hat with Ratchet Adjustment

91280 — White

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with 3 levels of height adjustment
- Includes a replaceable, ventilated foam brow pad that includes a cover for comfort and ventilation between the forehead and the foam
- Smooth-turning 4-point ratchet suspension system
- Full brim helps protect ears and neck from UV rays
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets requirements of ANSI/ISEA Z89.1-2009 Type 1, Dielectric Class C, G and E
- Meets CSA Z94.1-2005 Type 1, Dielectric Class C, G and E requirements



WARNING! See use applications and warnings on inside back cover.

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General Safety Protection

Head Protection



3M™ Non-Vented Hard Hat with Pinlock Adjustment

91295 — White

91296 — Yellow

- Comfortable suspension sits lower on head to reduce pressure points and increase security
- Optimized comfort with 3 levels of height adjustment
- Replaceable standard brow pad
- Pinlock suspension system
- ANSI/ISEA compliant when worn in the forward and reverse donning positions
- Meets requirements of ANSI/ISEA Z89.1-2009 Type 1, Dielectric Class C, G and E.
- Meets CSA Z94.1-2005 Type I, Dielectric Class C, G and E requirements

General Safety Protection

Reflective Clothing



ANSI Class 3 Safety Vest with Sleeves

94900-80030 — Yellow

- Meets ANSI/ISEA 107-2010 Class 3 and Federal Highway Mandate-2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Provides the highest level of visibility during extreme weather conditions and around traffic going more than 50mph
- Designed for high risk: traffic teams working on freeways & highways, construction, utility, emergency personnel and during intense weather conditions such as hurricanes and blizzards
- Knit polyester shirt available in fluorescent yellow with 360 degree 2" 3M™ Scotchlite™ Reflective Material

General Safety Protection

Face Protection



Professional Faceshield

90028

- Helps protect the eyes and face against certain impact and chemical hazards
- Crown protector is made of a high-strength thermoplastic material
- Window is made of polycarbonate
- Proprietary window attachment system is easy to replace
- Easy to adjust pinlock for a custom, secure fit
- Meets the requirements of ANSI Z87.1-2003

Clear Replacement Polycarbonate Window

90030

- Meets the requirements of ANSI Z87.1 2003

Note: 3M highly recommends wearing eye protection when wearing headgear/faceshields.



ANSI Class 2, Two-Tone Safety Vests

94620-80030 — Yellow

94621-80030 — Orange

- Meets ANSI/ISEA 107-2010 Class 2 and Federal Highway Mandate-2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Required for workers on sites around traffic going 25mph or higher and workers around heavy equipment
- Designed for moderate risk: construction, utility, school crossing, parking lots, traffic direction
- Available in fluorescent yellow and orange with contrasting trim and 360 degree 2" 3M™ Scotchlite™ Reflective Material
- Made of lightweight, breathable mesh for air circulation and faster drying times

WARNING! See use applications and warnings on inside back cover.

3M products shown in this brochure must be used in accordance with OSHA regulations or other applicable standards, the user instructions, warnings and limitations accompanying each product.

General Safety Protection

Enhanced and High Visibility Safety Vests



ANSI Class 2, Adjustable Tear Away Safety Vests

94625-80030T — Orange

94617-80030T — Yellow

- Meets ANSI/ISEA 107-2010 Class 2 and Federal Highway Mandate-2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Required for workers on sites around traffic going 25mph or higher and workers around heavy equipment
- Designed for moderate risk: construction, utility, school crossing, parking lots, traffic direction
- Made of lightweight, breathable mesh for increased air circulation and faster drying times
- Five-point tear away system using hook and loop closures for increased safety
- Two large interior pockets
- Provides 360 degree reflective material using 2" 3M™ Scotchlite™ Reflective Material



ANSI Class 2 Safety Vest

94618-80030T — Yellow

- Meets ANSI/ISEA 107-2010 Class 2 and Federal Highway Mandate-2009 Manual of Uniform and Traffic Control Devices to help meet the retro-reflective performance needed for most worksites
- Required for workers on sites around traffic going 25mph or higher and workers around heavy equipment
- Designed for moderate risk: construction, utility, school crossing, parking lots, traffic direction
- Knit polyester vest that provides 360 degree reflective material using 2" 3M™ Scotchlite™ Reflective Material
- Front radio pocket with flap and shoulder mic tab
- Three additional pockets including two larger interior and one pencil pocket

General Safety Protection

Enhanced and High Visibility Safety Vests



Class 1 Safety Vest

94601-80030T — Yellow

- Use for recreational purposes only
- Fluorescent yellow with 1" 3M™ Scotchlite™ Reflective Material – 8906 Silver Fabric Trim
- Lightweight design made with breathable mesh
- Adjustable side straps
- Cell phone pocket



ANSI Hard Hat Sun Shade

94800-80030 — Yellow

- Provides sun protection for neck and ears
- Available in fluorescent yellow with orange trim and ½" 3M™ Scotchlite™ Reflective Material
- Made of lightweight, breathable mesh for increased air circulation and faster drying times
- Includes 3 clips to secure sun shade to hard hat
- Meets the requirements of ANSI/ISEA 107-210 Certified Headwear

General Safety Protection

Safety Cones



Reflective Traffic Safety Cone

90128-R — 18 inch, orange

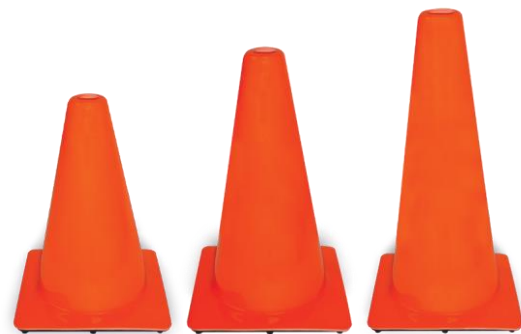
- High visibility orange safety cone
- Durable with weighted base
- Made in the USA



Reflective Traffic Safety Cone

90129-R — 28 inch, orange

- High visibility orange safety cone
- Durable with weighted base
- Made in the USA



Safety Cones

90127 — 12"

90128 — 18"

90129 — 28"

- PVC safety cone
- Durable with weighted base
- Made in the USA

WARNING! See use applications and warnings on inside back cover.

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General Safety Protection

First Aid Kits



118 Piece Industrial/Construction First Aid Kit

94118

- Meets ANSI/OSHA Requirements
- Includes 45 assorted adhesive bandages, gauze, towelettes, assorted pads, cold compress, scissors, tweezers and more
- Portable carrying case for easy transport to and from the jobsite

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General Safety Protection

Coveralls



Renovation Coverall

94565

- Helps provide particulate protection against lead dust, certain liquid sprays and biological contaminants
- White with red taped seams provide protection from liquids leaking onto clothing
- Three-panel hood design offers compatibility with complementary PPE
- Two-way zipper makes it easy to put on and remove quickly
- Extra material included in the arms and legs for increased comfort
- Sealable storm flaps, seamless shoulders and sleeve tops help reduce liquid entry points, helping to keep clothing clean
- Knit cuff for additional comfort
- Elastic ankle helps prevent dirt and dust from getting under pant legs and helps keep clothing clean



Paint Spray Coverall

94540

- Helps provide barrier protection against paint overspray and hazardous dust
- Breathable back panel helps improve air ventilation and comfort
- Three panel hood design
- Knit cuffs with elastic waist and ankles increase comfort and freedom of movement
- Two-way zipper with sealable storm flap

General Safety Protection

Coveralls



General Purpose Coverall

94520

- Provides a basic barrier against dust, dirt and grime
- Breathable back panel helps improve air ventilation and comfort
- Two-way zipper
- Elastic waist, ankles and wrist



Paint Coverall

94510

- Helps provide barrier protection against paint or stain, liquids that may splash and non-hazardous dust
- Elastic waist and ankles offer a snug seal and greater comfort
- Two-way zipper with sealable storm flap
- Durable laminated material

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General Safety Protection

Gloves



Nitrile Gloves

90011T – Medium
90012T – Large

- Helps protect hands from many solvents
- Puncture resistant
- Not made with natural rubber latex



Refinishing Gloves

90016T – Large
90017T – X-Large

- Helps protect hands from polishes and stains
- Flocked cotton lining
- Textured palm for gripping



Household Cleaning Gloves

90018T – Medium
90019T – Large

- Use for most common cleaning projects*



Heavy-duty Chemical Gloves

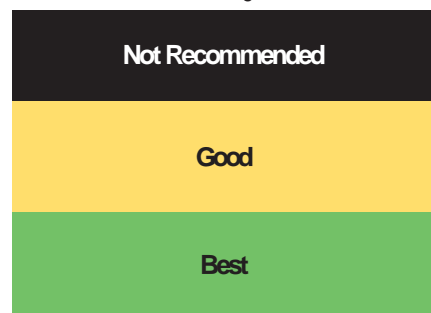
90021T – Large

- Helps protect hands from many chemicals*
- Heavy-duty cotton flocked lined for comfort
- Anti-slip pattern and textured grip
- Extended cuff

Tested Chemicals

Acetic acid glacial
Acetic acid, 25%
Acetone
Aniline
Auto-diesel
Butanol, pure
Cutting oil
Dimethylformamide
Ethanol, 98%
Ethanol, absolute
Ethyl acetate
Ethyl ether
Ethylene glycol
Formaldehyde, 37%
Furfural
Hydrochloric acid, 10%
Hydrochloric acid, 37%
Hydrogen peroxide, 30%
Iso octane
Isopropyl alcohol
Kerosene
Lacquer Solvent
Methanol
Methyl t-butyl ether
Methylene Chloride
Methylamine
Naphtha solvent
n-Heptane
Nitromethane
octyl alcohol
Petroleum ether
Sodium hydroxide, 20%
Sodium hydroxide, 40%
Sulphuric acid, 50%
Sulphuric acid, 96%
Toluene
Turpene (D-Limonene)
Turpentine
Unleaded petrol

Glove Permeation tested against EN374-1:2003.



General Safety Protection

Reference

Head Protection



Head protection should be used in any application where there is risk of falling objects or head injury. 3M hard hats are available in front brim and full brim models. The shell is designed to deflect objects, and the suspension works with the shell to absorb the impact energy when something hits the top of the shell. The cradle of the suspension is mounted to the hard hat with six or four clips (six- or four-point suspension). Accessory slots are available to accommodate eye, face and hearing protection products.

Who Sets the Standards

In the U.S., OSHA Standards 29 CFR 1926.100 for construction and 29 CFR 1910.132 and 1910.135 for general industry outline requirements for head protection. Compliant hard hats must have certain user information — the date of manufacture, manufacturer's name, sizing instructions and guidelines for care and service, as well as legend and class description.

In the U.S., the ANSI Z89.1 Standards* classify protective helmets as either Type I — designed to protect from top impacts/penetration or Type II — designed for top and lateral impact/penetration — including criteria for impact energy attenuation from impacts from the front, back and sides, as well as the top, off-center penetration, resistance and chin-strap retention.

* Canadian Head Protection Standards are addressed in CSA Z94.1

Hard Hat Classes

Class C

Lightweight. Offers less impact protection than Class G and E. Conductive, providing no electrical protection.

Class G

General Service. Provides good impact protection. Proof-tested electrical to withstand 2,200 volts.

Class E

Good protection. Proof-tested electrical to 20,000 Volts.

Cautionary Note on Electrical Protection

Class G and E helmets provide limited electrical protection. The maximum voltage against which the helmet will protect the wearer depends on a number of variables — including the characteristics of the electrical circuit, condition of the helmet and prevailing weather conditions. The safe use of helmets in electrical applications must be established by the authority with jurisdiction.

Two Basic Types of Suspension Systems

Hard hats are available with two types of suspension systems. A pinlock-suspension system attaches to wearer's head with a locking mechanism that works similarly to a belt. Wearer must remove the hard hat to adjust this type of suspension.

The wearer does not have to remove the hard hat to adjust the ratchet suspension system. The wearer can quickly loosen or tighten the suspension by turning a ratchet-type knob.

Maintenance and Care

Hard hats should be inspected prior to each use and replaced if any damage is evident. Polyethylene shells exposed to heat, sunlight or chemicals, such as paint thinners and some cleaning agents, will age. Check for any flaking, cracks, dents, nicks or gouges. The suspension system should be checked also — look for twisted, cut, or frayed straps, loose stitching or cracks in any plastic component, and missing mounts/clips. Any hard hat sustaining an impact should be replaced.

Maintenance Tips:

- :: Store the helmet in clean, dry area — preferably in an area not exposed to extreme heat or cold. Avoid storing/transporting hard hats in the rear window of motor vehicles
- :: Do not sit on or compress the sides of the hard hat
- :: Clean the protective helmet with mild soap and warm water

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General Safety Protection

Reference

Enhanced and High Visibility Clothing



Visibility is critical for those who work or play in proximity to vehicular traffic/equipment or in low light conditions. Construction workers, emergency response personnel, traffic and transportation employees — even joggers — need to dress for conspicuity enhancement with high visibility clothing.

While the use of 3M™ Scotchlite™ Reflective Material enhances visibility, no reflective material can guarantee absolute visibility, particularly in adverse weather conditions. Performance will vary depending upon actual use, exposure conditions and maintenance.

Standard ANSI/ISEA 107-2010 defines performance criteria for high visibility apparel. The standard establishes three garment classes based on performance requirements and on the wearer's activities: 360° visibility, color/luminance, and total area of background and retroreflective materials used. In addition, there is a common-sense component of the standard that addresses product labeling, comfort and performance while not hindering the wearer. The 2009 MUTCD requires ANSI/ISEA 107 Class 2 or 3 for exposure to traffic on public roadways.

Garment selection should be based on a risk assessment, which includes the complexity of the work environment, separation of the worker from moving equipment and vehicles, and additional work variables such as weather. The following table details minimum size requirements for apparel background material along with contrasting retroreflective material (bands).

Garment Classes

Class 3 (Highest)

- :: Background Material = 1240 sq. inch (.80 m²)
- :: Retroreflective Material = 310 sq. inch (.20 m²)

Class 2 (Most Common)

- :: Background Material = 775 sq. inch (.50 m²)
- :: Retroreflective Material = 201 sq. inch (.13 m²)

Class 1

- :: Background Material = 217 sq. inch (.14 m²)
- :: Retroreflective Material = 155 sq. inch (.10 m²)

Maintenance and Care

ANSI Standards require that all high visibility apparel contain a label with instructions for washing and drying the garment. Care instructions should be followed closely and the garment replaced when any evidence of wear in material or retroreflective bands is evident.

Glossary

ANSI (American National Standards Institute)

A private, non-profit organization that administers and coordinates the U.S. voluntary standardization and conformity assessment program. The official U.S. representative to the International Organization for Standardization (ISO).

ANSI Standards by themselves are not actual mandates or laws unless they are referenced in a law or regulation, at which time they do become mandated.

ASTM International

One of the largest voluntary standards development organizations in the world. Provides technical standards for materials, products, systems and services. Represents producers, users, consumers, government and academia from more than 120 countries.

(U.S.) Consumer Product Safety Commission

Federal commission charged with protecting the public from unreasonable risks of serious injury or death from more than 15,000 types of consumer products under the agency's jurisdiction.

CSA (the Canadian Standards Association)

Accredited by the Standards Council of Canada (SCC). CSA regulates all protective products sold in Canada. Products which meet the CSA (Canadian Standards) eyewear standard will be marked with CSA.

EPA (U.S. Environmental Protection Agency)

Develops and enforces regulations that implement environmental laws enacted by Congress.

ISEA (International Safety Equipment Association)

United States trade association for companies that manufacture safety and personal protective equipment. The goal of ISEA member companies is to protect the health and safety of people exposed to hazardous and potentially harmful environments worldwide.

ISO (International Organization for Standardizations)

A non-governmental network of the national standards institutes of 157 countries (one member per country) with Central Secretariat in Geneva, Switzerland, who coordinates the system.

NSC (National Safety Council)

A 501(c) not-for-profit international public service organization dedicated to educating and influencing people to prevent accidental injury and death. The National Safety Council promotes safety in the workplace, transportation, and in homes and communities.

NIOSH (National Institute for Occupational Health and Safety)

Federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness. NIOSH also tests and certifies respiratory protection devices.

OSHA (Occupational Safety & Health Association)

Division of the U.S. Department of Labor that establishes standards for safety in the workplace. OSHA's mission is to assure the safety and health of America's workers by setting and enforcing standards; providing training, outreach and education; establishing partnerships; and encouraging continual improvement in workplace safety and health.

Prevent Blindness America

Leading volunteer eye health and safety organization dedicated to fighting blindness and saving sight.

WARNING! See use applications and warnings on inside back cover.

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Warnings and Cautions

For Do-It-Yourself/Homeowner Use

For Do-it-Yourself/Homeowner Applications:

⚠️WARNING	⚠️WARNING				
<p>Respirator Products Warning These respirator products help keep non-harmful dusts and certain particles out of your nose, mouth and lungs. Misuse may adversely affect your health. For proper use, see packaging, <i>User Instructions</i>, or call 3M in the U.S.A. at 1-800-247-3941. In Canada, call 1-800-267-4414.</p>	<p>Eye and Face Products Warning This product helps provide limited eye protection against certain flying particles. Misuse may result in serious and permanent eye injury, including blindness or death. For proper use and limitations, see packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>				
<table border="0"> <tr> <td style="vertical-align: top;">Government Approval</td> <td style="vertical-align: top;">Use For</td> </tr> <tr> <td>NIOSH certification means the respirator has passed stringent government performance standards, including wood, non-lead painted surfaces and provides protection against oil-based paints, varnishes, stains, and other hazardous materials. When choosing a respirator for use on a project, always check for the NIOSH approval (e.g. N95, P95 or P100) to identify government-approved products.</td> <td>Non-harmful dusts and certain particles encountered during sanding projects, performance standards, including wood, non-lead painted surfaces and provides protection against oil-based paints, varnishes, stains, and other hazardous materials. When choosing a respirator for use on a project, always check for the NIOSH approval (e.g. N95, P95 or P100) to identify government-approved products.</td> </tr> </table>	Government Approval	Use For	NIOSH certification means the respirator has passed stringent government performance standards, including wood, non-lead painted surfaces and provides protection against oil-based paints, varnishes, stains, and other hazardous materials. When choosing a respirator for use on a project, always check for the NIOSH approval (e.g. N95, P95 or P100) to identify government-approved products.	Non-harmful dusts and certain particles encountered during sanding projects, performance standards, including wood, non-lead painted surfaces and provides protection against oil-based paints, varnishes, stains, and other hazardous materials. When choosing a respirator for use on a project, always check for the NIOSH approval (e.g. N95, P95 or P100) to identify government-approved products.	
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Any toxic or harmful substance such as lead and asbestos.					

⚠️WARNING	⚠️WARNING	⚠️WARNING
<p>Hearing Protection Products 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 proper use and limitations, see packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414. If there is any drainage from your ear or if you have a hole in your eardrum, consult with your physician before wearing hearing protection. Failure to do so may result in hearing loss or injury. Keep earplugs away from infants and small children. They may get caught in their windpipe if swallowed.</p>	<p>Head Protection Products Warning This safety product provides only limited protection. Improper use may result in serious bodily injury or death. For proper use and limitations, see packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>	<p>Safety Vest Products Warning This product is designed to help enhance your visibility by reflecting light. Misuse of this product may reduce visibility and result in serious bodily injury. For proper use and limitations, see packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>

⚠️WARNING
<p>Coverall Products Warning These products help provide barrier protection against certain contaminants. Misuse could lead to overexposure and may cause sickness or death. For proper use and limitations, see packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>

Warnings and Cautions

For Professional Use

For Workplace/Occupational Applications:

⚠️WARNING	⚠️WARNING
<p>Respirator Products Warning These respirator products help reduce exposures to certain airborne contaminants. Before use, the wearer must read and understand the <i>User Instructions</i> provided as a 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 standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For proper use, see package instructions, supervisor, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.</p>	<p>Eye and Face Products Warning These eye and 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 <i>User Instructions</i> and warnings on the package or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.</p>

⚠️WARNING	⚠️WARNING
<p>Hearing Protection Products 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 proper use, see supervisor, <i>User Instructions</i>, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.</p> <p>Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in earplug fit and wearing time. It is</p>	<p>Head Protection Products Warning These hard hats 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, or <i>User Instructions</i>, or call 3M OH&ESD Technical Service in the U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.</p> <p>Bumpcaps do not provide protection against impact from falling or glancing objects. They do not protect against electrical hazards. Bumpcaps do not meet the requirements of the American National Standard for Industrial Head Protection ANSI Z89.1. When head protection is required, wear a protective hard hat or helmet that meets the requirements of ANSI Z89.1.</p>

⚠️WARNING	⚠️WARNING
<p>Safety Vest Products Warning This product is designed to help enhance your visibility by reflecting light. Misuse of this product may reduce visibility and result in serious bodily injury. For proper use and limitations, see supervisor, packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>	<p>Coverall Products Warning These products help provide barrier protection against certain contaminants. Misuse could lead to overexposure and may cause sickness or death. For proper use and limitations, see supervisor, packaging or call 3M in the U.S.A. at 1-800-243-4630. In Canada, call Technical Services at 1-800-267-4414.</p>