



# EYEWEAR SAFETY

## Safety Is Good Business

### *The following are the basic Criteria for Eye and Face Protection*

- Protect against specific hazard(s) encountered by employees
- Comfortable to wear
- Must not restrict vision or movement
- Durable and easy to clean and disinfect
- Must not interfere with the function of other required PPE
- Meet requirements of ANSI Z87.1- 2015

### *Eye Protection for Employees Who Wear Eyeglasses*

- Prescription spectacles, with side shields and protective lenses meeting requirements of ANSI Z87.1
- Goggles that can fit comfortably over corrective eyeglasses without disturbing their alignment
- Goggles that incorporate corrective lenses mounted behind protective lenses

### *Face Shields*

- Do not protect employees from impact hazards
- Use face shields in combination with goggles or safety spectacles when you must protect your employees from impact hazards, even in the absence of dust or potential splashes

### **WHAT DOES OSHA HAVE TO SAY?**

In CFR 29 1910.133 OSHA states that “the employer shall ensure that each affected employee uses appropriate eye or face protection when exposed to eye or face hazards from flying particles, molten metal, liquid chemicals, acids or caustic liquids, chemical gases or vapors, or potentially injurious light radiation.”

This safety eyewear must be selected on the basis of hazards to which the worker is exposed. This requires a Job Hazard Analysis ( JHA) to be performed to find and identify the hazards and then determine the proper protections the employee needs.

### **How do we know our Safety Eyewear will do this?**

OSHA refers to the American National Standards Institute (ANSI), a nonprofit organization, to develop voluntary consensus standards (Uniform Testing Standards) which provide a set of guidelines to ensure quality and adherence of the safety product to OSHA Standards.

### **This ANSI Standard is:**

#### **ANSI Z87.1-20015**

All ANSI rated safety eyewear will have Z87+ (Indicates a high-velocity impact rating) or Z87 (a basic impact rating) marked on the lens and frame.

The Following are additional Lens and Frame markings that can be found on ANSI Certified Safety Eyewear.\*

**SPLASH AND DROPLET:** D3 for splash and droplet and D4 for dust

**Fine dust:** D5

**Welding:** W plus the shade number

**UV:** U plus the scale number

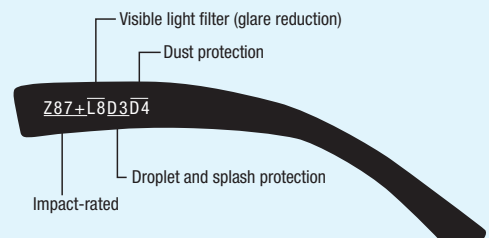
**Infrared light:** R plus the scale number

**Visible light filter:** L plus the scale number

**Prescription:** Z87-2 on the front of the front of the frame and on both temples

**Head size:** H indicates products designed for smaller head sizes

**Other:** V for photochromic and S for special lens tint



All safety markings for ANSI Z87.1-2015 safety eyewear must be permanently and clearly marked on the frame or lens. This marking requirement includes goggles and face shields as well as safety glasses.

# TRAINING YOUR EMPLOYEES



**The following is a basic checklist for Training Employees to Use and Care for Eye and Face Protection**

- Why eye protection is necessary, i.e., the workplace hazards that threaten their eyes.
- How the eye protection will protect them.
- The limitations of the eye protection.
- When they must wear the eye protectors.
- How to put the protective eyewear on properly.
- How to adjust straps and other parts for a comfortable and effective fit.
- How the protective eyewear fits over or contains an employee's corrective lenses.
- How to identify signs of wear such as:
  - Chipped, scratched, or scraped lenses.
  - Loss of elasticity or fraying of head bands.
- How to clean and disinfect the safety eyewear.