

Quick Guide to Lens Markings

How can I tell if my safety eyewear has been tested and complies with the ANSI Standard?

Safety eyewear being used in the United States will need to meet the **Z87.1.2015 ANSI** standard. You can find this denoted typically on the inside of the side arm as (**Z87**) or on the polycarbonate lens as a (**W**).

If the eyewear passed the high impact standard you will see a “+” next to the **Z87** or **W** marking. All HexArmor® eyewear has passed the high impact standard and will be labeled as **Z87+** and **W+** marking.



Markings found on right side of lens

Example: 2C-12 W1 FKN CE XIO **W+**



Are my goggles liquid splash resistant?

There are 3 different levels of liquid splash:

- D3** = Liquid splash resistance
- D4** = Resistance to dust
- D5** = Resistance to fine dust (typically non-vented)

Top view: Markings for goggles are found on the top



W166 349-B CE 0196
Z87+ D3D4
Z 94.3 12-100

Wondering what all the other numbers and letters mean? Here is a quick guide for your reference:

- **2C** = UV Protection with good color recognition
- **1,2** = more than 74.4% light transmission, but less than 100%
- **W** = Manufacturers mark
- **1** = Optical Class 1 (Refractive Power of 0.06 diopter or less)
- **F** = Impact rated 45.7 m/s
- **K** = Anti-Scratch
- **N** = Anti-Fog
- **CE** = Conformity marking
- **XIO** = Australian & New Zealand Impact
- **W+** = ANSI Z87.1 lens marking

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Protective devices do not provide unlimited protection. Some operations may require machine guards, face shields, special filter lenses, or other safety equipment. Safety eyewear does not provide complete protection against hazards, and should only be used in conjunction with the prescribed safety equipment for the application as well as defined safety practices.