



# North Carolina Wing Weekly Safety Blast



## 2018 - Topic #10 – Safety Glasses

### Reason for this Blast:

Around 2000 eye injuries occur every day in the US. The reason is simple, Your eyes are the most delicate part of the body exposed the outside environment. An impact that would barely be noticed anywhere else of the body could cause a devastating injury if it occurred to your eyes. Fortunately, protecting them is easy!!



### What makes them “Safety Glasses”?

Safety glasses protect your eyes from impacts of metal chips, dust, wood splinters, general particles and minor splashes. The safety eyewear must have “Z87” or “Z87+” marked on the frame or in some cases the lens itself, to be considered “safety” glasses.

ANSI Z87.1-2015 test procedure describes the criteria for safety eyewear to protect the eyes and face from impact injuries. ANSI Z87.1 certified safety glasses undergo intensive testing to ensure they’ll protect eyes as expected. Tests include:

- Basic and High Impact for lenses and frames
  - “Z87+” indicates high velocity impact, and “Z87” means basic impact.
- Exposure to non-ionizing radiation and chemicals
- Durability to flammables and corrosion

### To be effective, Safety glasses must fit and be worn correctly

- The biggest gaps are usually near the corners of the glasses.
- The bigger the gap, the more exposure to hazards coming from a slight angle from above or below.
- Glasses should fit snug against the face. Wear the glasses as close to the eyes as you can.

A common excuse for not wearing safety glasses is fogging. Fogging occurs when the glasses are colder than the air around them or there is excessive moisture in the air. Here are some techniques to help reduce fogging.

- Use safety glasses that have anti-fog coatings put on during manufacturing. This technology is constantly improving and becoming more effective.
- Use anti-fog solutions on the lenses regularly, if needed.
- Wear a sweat band on your forehead
- Keep the lenses clean and unscratched.

### MAIN DISCUSSION POINT OF THIS SAFETY BLAST

**Permanent eye damage can happen in the blink of an eye.  
Safety Glasses help protect the eyes.**