



Eye Injury Prevention

eSafetyLine

Which Should I Use?

Every jobsite has different eye hazards and different hazards require different eye protection. It can be difficult for a worker to determine which type of protection is best for the job. In choosing the correct eye protection be sure that any lens used meets the minimum standards for protection. The American National Standards Institute (ANSI) requires that approved lens be marked by the manufacturer with Z87. This allows the worker to know that the eye protection meets the standard. But this is only the first step.

The final choice for eye protection must also involve the type of work being done. Many types of eye protection use approved lens, the type used needs to be based on the hazards that will be encountered on the jobsite. Some of the more common types include:

Safety Glasses or Safety Spectacles

- Are made with
 - Safety frames
 - ANSI Z87.1 glass or plastic lens
 - Temple and side shields
- They provide minimal protection
- They are best used in situations with minimal amounts of particles and limited impact
- Appropriate tasks include
 - Carpentry
 - Woodworking
 - Grinding
 - Scaling

Goggles

- Can be made with
 - Vinyl frames with a soft, flexible body

- Clear or tinted ANSI approved lens, usually plastic
- The frame can be perforated, port vented, or non-vented frames
- Are stronger than safety glasses
- Can be used over prescription glasses for protection with proper vision
- Are used for higher impact protection, greater particle protection and chemical splash protection
- Used for welding must be of the correct shade number (shows how dark the lens is)
- Appropriate tasks include
 - Sawing
 - Chipping
 - Grinding
 - Masonry work
 - Using a nail gun
 - Working with chemicals

Faceshields

- Consist of
 - Adjustable headgear
 - Face shield of tinted or transparent plastic or wire mesh
- Are made in many sizes, tensile strengths, impact resistances and heat resistances
- Are for the highest impact danger
- Should be used in to protect the whole face against flying particles, metal sparks and chemical or biological splash
- Should always be used over safety glasses or goggles since particles or chemicals can go around the faceshield
- Appropriate tasks include
 - Spraying
 - Chipping
 - Grinding
 - Chemical splashes
 - Bloodborne hazards

Discussion Questions

What type lens must be used in safety eyewear?

Which type of eye PPE should be used for moderate impact hazards?

MEETING / TRAINING ATTENDANCE ROSTER

COMPANY: _____

_____ SAFETY MEETING

JOB/DEPT: _____

_____ SAFETY TRAINING

DATE: ___/___/_____

TIME: _____

TOPICS ADDRESSED: _____

EMPLOYEE'S SIGNATURES

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

EMPLOYEE SUGGESTIONS AND RECOMMENDATIONS: _____

ACTION TAKEN: _____

Supervisor's Signature

_____/_____/_____
Date

Safety Coordinator's Signature

_____/_____/_____
Date