



Contractors Eye and Face Protection Matrix¹

Eye and Face Protection Matrix

1. **Safety glasses** with approved hard side shields including prescription eye wear are required. All safety glasses, prescription eye wear and hard shields must meet the requirements of **ANSI Z 87.1- 1979 Rev. 2010** Occupational Eye and Face Protection.
 - Goggles, Flexible Fitting, Regular Ventilation (ANSI Z 87.1-2010)
 - Goggles, Flexible Fitting, Hooded Ventilation (ANSI Z 87.1-2010)
 - Goggles Cushioned Fitting, Rigid Body (ANSI Z 87.1-2010)
 - Safety Glasses, Plastic Metal, plastic or composite frame with rigid side shields. (ANSI Z 87.1-2010)
 - Chipping Goggles, Eyecup Type, Clear Safety Lenses (ANSI Z 87.1-2010)
 - Welding Goggles, Cover spec Type Tinted Lenses (ANSI Z 87.1-2010)
 - Chipping Goggles, Cover spec Type Tinted Plate Lenses(ANSI Z 87.1-2010)
 - Face Shields (Available with Plastic or Mesh Windows) (ANSI Z 87.1-2010)
 - Welding Helmets (ANSI Z 87.1-2010)
2. Protection must be labeled to identify the manufacturer.
3. Appropriate shaded lenses must be used when exposed to harmful light radiation.
4. Appropriate eye and face protection shall be used when exposed to the following.
 - Flying particles
 - Molten metals
 - Liquid Chemicals
 - Acids and caustics
 - Chemical bases or vapors
 - Welding

Operation	Hazard	Minimum Required Eye/Face Protection
Acetylene – Burning Cutting	Sparks, Intense Ray Molten Metals Flying Particles	Tinted Face Shield and Safety goggles or Clear Face Shield and Cutting Goggles
Air Operated Power Tools	Flying Particles, Potential Debris	Face Shield, Safety glasses
Chemical Handling	Splash, Acid Burns, Fumes	Face Shield , Chemical Safety goggles , reference MSDS
Chop Saw	Flying Particles, Potential Debris	Face Shield, Safety goggles
Grinding / Buffing / Chipping	Flying Particles, Potential Debris	Face Shield, Safety goggles
Arc Welding	Flying Particles, Sparks, Splash	Welding hood w/ required shade, Safety Glasses
Manual Drilling w/Battery or Electric	Potential Debris, Particles	Face Shield, Safety goggles
Band Saw	Potential Debris, Flying Particles	Face Shield, Safety goggles
Stud Welder (Hilti Gun)	Potential Debris, Flying Particles	Face Shield, Safety goggles
Stud Weld (Electric)	Heat ,Glare, Sparks, Splash	Face Shield (required shade), Safety goggles
Hydraulic Knockout Set	Potential Debris, Particles	Face Shield, Safety goggles
Cad Welding	Glare, Sparks, Splash	Face Shield (required shade), Safety goggles
Whitney Punch	Potential Debris, Particles, Chemical Splash (Hyd. Oil)	Face Shield, Safety goggles
Hacksaws/Filing	Potential Debris, Particles	Face Shield, Safety goggles
Overhead Cable Instillation/Demo	Potential Debris, Particles	Face Shield, Safety glasses
Lines under Pressure/ First Break	Potential Debris, Particles, Chemical Splash (Hyd. Oil)	Face Shield , Chemical Safety goggles , reference MSDS
Scaffolding Demolition bottom level ²	Potential Debris, Particles	Face Shield, Safety goggles
Scaffolding Demolition upper level ²	Potential Debris, Particles	Safety glasses
Impact tools	Flying Particles, Potential Debris	Face Shield, Safety goggles
Utilizing Compressed Air for cleaning purposes	Flying Particles, Potential Debris	Face Shield, Safety goggles

1 - This is the minimum Eye and Face protection required. This does not take the place of the JSEA WP/SEA

2 – JSEA / WP/SEA to include distinguishing required PPE for scaffold workers performing demolition/