

Personal Protective Equipment **Selection of Eye and Face Protection**

Hazard	Activities	Supertrades with	Direct ventilated	Indirect ventilated	Walding			Hand shield
		Spectacles with side shields	goggles	goggles	Welding helmet	Face shield	Hood	Hand shield plus spectacles
Group A Flying objects	Chipping/Drilling/Scaling					*		
	Grinding/Polishing/Buffing					*		
	Riveting/Punching/Shearing							
	Hammer mills/Crushing							
	Heavy sawing/planing					*		
	Wire and strip handling							
	Hammering/Unpacking/Nailing					*		
	Punch press/Lathe work					*		
Group B Flying particles/ Dust/Wind	Woodworking/Sanding					*		
	Light metal working/machining					*		
	Exposure to wind/dust							
	Resistance welding	•	•			*		
	Sand/cement handling						*	
	Painting					*	*	
	Plastering/Concrete work		<u> </u>			*		
	Material batching/mixing					*		
Group C Heat/Glare/Sparks/ Molten metal splash	Working with molten metal		A +	A +		*		
	Soldering/Brazing	•	•			*		
	Spot/stud welding		•			*		
	Hot dipping		A +	A +		*		
Group D Chemical splash	Handling acid/alkali		A +	A +		*	*	
	De-greasing					*		
	Spraying chemicals		A +	A +		*	*	
	Glass breakage		+	+		*		
	Handling liquid bitumen		A +	A +		*		
Group E Abrasive blasting	Sandblasting						*	
	Shot blasting						*	
	Shotcreting						*	
Group F Glare/Stray light	Reflection/Sunlight	•	•					
	Reflected welding flash		•					
	Metal pouring/Furnace work	•+	• +	•+				
	Spot/stud welding					*		
Group G Injurious optical radiation	Gas cutting/welding							
	Furnace work	•+	• +	• +				
Group H Injurious optical radiation	Electric arc welding				• •			
	Heavy gas cutting				• •			
	Plasma spraying/cutting				• •			
	Inert gas shielded arc welding				• •			
	Atomic hydrogen welding				• •			
Group I Laser Radiation	Laser radiation							
	Laser cutting							
	Laser surgery							
	Laser etching		•	•				
Group I	Electric Arch Flash							
	Electrical installation						\	
Group J Electric Arc Protection	Maintenance and trouble shooting							
Liectific Art Protection	Disconnecting live electrical systems					\		

This chart is adapted from Canadian Standards Association (CSA) found in "Eye and face protectors, Z94.3-15".

CSA Z94.3-15 states that Class 3, 4 and 5 protectors, or welding protection, shall be used only in conjunction with Class 1 or 2 protectors (spectacles or goggles).

