

Job Aid

Eye and Face Protector Selection Guide

Purpose: Use the Eye and Face Protector Selection Guide job aid to guide your selection of eye and face protection.

Instructions: Choose an operation in column 1 of Table 1, Eye and Face Protector Selection Guide, to find out what hazards it presents, shown in column 2. Then use the number given in column 3 to determine the recommended protector for the operation, identified by number in Table 2, Recommended Eye and Face Protectors.

Table 1: Eye and Face Protector Selection Guide

Operation	Hazards	Recommended protectors as defined in Figure 1
Acetylene-burning, acetylene-cutting, acetylene-welding	Sparks, harmful rays, molten metal, flying particles	7,8,9
Chemical handling	Splash, acid burns, fumes	2,10 (for severe exposure add 10 over 2)
Chipping	Flying particles	1,3,4,5,6,7A,8A
Electric (arc) welding	Sparks, intense rays, molten metal	9,11 (11 in combination with 4,5,6 in tinted lenses advisable)
Furnace operations	Glare, heat, molten metal	7,8,9 (for severe exposure add 10)
Grinding - light	Flying particles	1,3,4,5,6,10
Grinding - heavy	Flying particles	1,3,7A,8A (for severe exposure add 10)
Laboratory	Chemical splash, glass breakage	2 (10 when in combination with 4,5,6)
Machining	Flying particles	1,3,4,5,6,10
Molten metals	Heat, glare, sparks, splash	7,8 (10 in combination with 4,5,6 in tinted lenses)
Spot welding	Flying particles, sparks	1,3,4,5,6,10

Figure 1: Recommended Eye and Face Protectors

1	Goggles, flexible fitting, regular ventilation
2	Goggles, flexible fitting, hooded ventilation
3	Goggles, cushioned fitting, rigid body
4	Spectacles, metal frame, with side shields*
5	Spectacles, plastic frame, with side shields*
6	Spectacles, metal-plastic frame, with flatfold side shields*
7	Welding Goggles, eyecup type, tinted lenses**
7A	Chipping Goggles, eyecup type, clear safety lenses

8	Welding Goggles, coverspec type, tinted lens**
8A	Chipping Goggles, coverspec type, clear safety lenses
9	Welding Goggles, coverspec type, tinted plate lens**
10	Face Shield (available with plastic or mesh window, tinted/transparent)
11	Welding Helmets**

Source: 29 CFR 1926.102 (a)(5) Table E-1.

*These are also available without side shields for limited use requiring only frontal protection.

**See "Filter Lenses for Protection Against Radiant Energy", 29 CFR 1910.133(a)(5).

Course: PPE: Eye and Face Protection

Topic: Choosing Protection

© 2015 Skillsoft Ireland Limited