

**APPENDIX B**

**Table 130.7(C)(10) Protective Clothing and Personal Protective Equipment (PPE) Matrix**

Protective Clothing and Equipment	Protective Systems for Hazard/Risk Category						
	Hazard/Risk Category Number	-1 (Note 3)	0	1	2	3	4
<b>Non-melting (according to ASTM F 1506-00) or Untreated Natural Fiber</b>							
a. T-shirt (short sleeve)	X				X	X	X
b. Shirt (long sleeve)		X					
c. Pants (long)	X	X	X	(Note 4)	(Note 6)	X	X
<b>FR Clothing (Note 1)</b>							
a. Long-sleeve shirt			X	X	X	(Note 9)	X
b. Pants			X (Note 4)	X (Note 6)	X (Note 9)	X (Note 9)	X
c. Coverall			X (Note 5)	X (Note 7)	X (Note 9)	X (Note 9)	X (Note 5)
d. Jacket, parka, or rainwear			AN	AN	AN	AN	AN
<b>FR Protective Equipment</b>							
a. Flash suit jacket (multilayer)							X
b. Flash suit pants (multilayer)							X
c. Head protection							
1 Hard hat			X	X	X	X	X
2 FR hard hat liner						AR	AR
d. Eye protection		-	-	-	-	-	-
1 Safety glasses	X	X	X	AL	AL	AL	AL
2 Safety goggles				AL	AL	AL	AL
e. Face and head area protection		-	-	-	-	-	-
1 Arc-rated face shield, or flash suit hood				X (Note 8)			
2 Flash suit hood					X	X	X
3 Hearing protection (ear canal inserts)				X (Note 8)			
f. Hand protection			-	-	-	-	-
Leather gloves (Note 2)			AN	X	X	X	X
g. Foot protection							
Leather work shoes			AN	X	X	X	X

AN = As needed      AL = Select one in group      AR = As required      X = Minimum required

**Notes:**

- See Table 103.(C)(11). Arc rating for a garment is expressed in cal/cm<sup>2</sup>
- If voltage-rated gloves are required, the leather protectors worn external to the rubber gloves satisfy this requirement.
- Hazard/Risk Category Number "-1" is only defined if determined by Notes 3 or 6 of Table 103.7(C)(9)(a).
- Regular weight (minimum 12 oz/yd<sup>2</sup> fabric weight), untreated, denim cotton blue jeans are acceptable in lieu of FR pants. The FR pants used for Hazard/Risk Category 1 shall have a minimum arc rating of 4.
- Alternate is to use FR coveralls (minimum arc rating of 4) instead of FR shirt and FR pants.
- If the FR pants have a minimum arc rating of 8, long pants of non-melting or untreated natural fiber are not required beneath the FR pants.
- Alternate is to use FR coveralls (minimum arc rating of 4) over non-melting or untreated natural fiber pants and T-shirt.
- A faceshield with a minimum arc rating of 8, with wrap-around guarding to protect not only the face, but also the forehead, ears, and neck (or, alternatively, a flash suit hood), is required.
- Alternate is to use two sets of FR coveralls (the inner with a minimum arc rating of 4 and outer coverall with a minimum arc rating of 5) over non-melting or untreated natural fiber clothing, instead of FR coveralls over FR shirt and FR pants over non-melting or untreated natural fiber clothing.