





# PPE

## PERSONAL PROTECTIVE EQUIPMENT

# ARC FLASH WORKERS

The most recent NFPA 70E standard identifies 4 PPE categories related to incident energy analyses. Each number represents an increased risk of danger and requires a higher level of PPE as shown below.

PPE CATEGORY	PPE CATEGORY	PPE CATEGORY	PPE CATEGORY
<div style="text-align: center;">  </div>	<div style="text-align: center;">  </div>	<div style="text-align: center;">  </div>	<div style="text-align: center;">  </div>
<p style="text-align: center;"><b>Arc Rating Minimum</b> <b>4 cal/cm<sup>2</sup></b></p>	<p style="text-align: center;"><b>Arc Rating Minimum</b> <b>8 cal/cm<sup>2</sup></b></p>	<p style="text-align: center;"><b>Arc Rating Minimum</b> <b>25 cal/cm<sup>2</sup></b></p>	<p style="text-align: center;"><b>Arc Rating Minimum</b> <b>40 cal/cm<sup>2</sup></b></p>
<p>This is the lowest level when arc-rated PPE is required to perform a work function. This category requires a single layer of arc-rated PPE material.</p> <p><b>Body:</b> Long sleeve shirt or coat and pants. Workers can also use coveralls.</p> <p><b>Face and Head:</b> Wrap-around face shield with guarding or a comparable arc flash suit hood.</p> <p><b>Supplemental PPE:</b> Arc-rated jackets, rainwear, and lined hard hats.</p>	<p>Although this is the second category for protective measures when dealing with arc flash, most businesses utilize Category 2 materials in place of Category 1 for added protection and versatility.</p> <p><b>Body:</b> Arc-rated long sleeve shirt or jacket, pants, and/or coveralls.</p> <p><b>Face and Head:</b> Arc-rated face shield or flash suit hood and sock hoods.</p> <p><b>Supplemental PPE:</b> Arc-rated jackets, rainwear, and lined hard hats.</p>	<p>Both PPE categories 3 and 4 require multiple layers of PPE. Arc flash hoods and rubber insulated gloves with leather protectors are mandatory.</p> <p><b>Body:</b> arc-rated flash suit jacket, pants, and/or coveralls.</p> <p><b>Face and Head:</b> Arc-rated flash hood.</p> <p><b>Hands:</b> Rubber insulated gloves with leather protectors or specific arc-rated gloves.</p> <p><b>Supplemental PPE:</b> Arc-rated jackets and rainwear.</p>	<p>Both PPE categories 3 and 4 require multiple layers of PPE. Arc flash hoods and rubber insulated gloves with leather protectors are mandatory.</p> <p><b>Body:</b> arc-rated flash suit jacket, pants, and/or coveralls.</p> <p><b>Face and Head:</b> Arc-rated flash hood.</p> <p><b>Hands:</b> Rubber insulated gloves with leather protectors or specific arc-rated gloves.</p> <p><b>Supplemental PPE:</b> Arc-rated jackets and rainwear.</p>
	<p><b>Mandatory</b></p> <p>For environments requiring Category 2 PPE, it is also mandatory to use protective eyewear, gloves, hearing protection, and leather shoes.</p>	<p><b>Mandatory</b></p> <p>For environments requiring Category 3 PPE, it is also mandatory to use hard hats, protective eyewear, gloves, hearing protection, and leather shoes.</p>	<p><b>Mandatory</b></p> <p>For environments requiring Category 4 PPE, it is also mandatory to use hard hats, protective eyewear, gloves, hearing protection, and leather shoes.</p>