

**WE WON'T HOLD YOU BACK.**

# NFPA 70E

- Requires that protective clothing be resistant to flash flame where possible exposure to electrical arc may occur.
- Testing is on full garments to fully comply
- Please still use Hazard/Risk Category table

**Total Garments are tested to ASTM F1506**

- Measured by ATP Values (*Arc Thermal Performance*)

The following 3M™ Scotchlite™ Reflective Material products have been tested and certified to ASTM F1506 and NFPA 70E for findings. The reflective materials listed below may be used on all hazard/risk categories of protective clothing without adversely affecting garment protection.

- 3M™ Scotchlite™ Reflective Material 9500 series fire coat trim
- 3M™ Scotchlite™ Reflective Material silver industrial wash flame resistant fabric 8940
- 3M™ Scotchlite™ Reflective Material silver industrial wash flame resistant fabric 8935

Please work with your local 3M Representative and your garment manufacturer to ensure all components comply.

The total weight and minimum arc thermal performance exposure value is also specified by hazard/risk category and is as follows:

Hazard/Risk Category	Clothing Description (# of layers)	Total Weight Oz/yd <sup>2</sup>	ATPV Rating Cal/cm <sup>2</sup>
0	Untreated cotton (1)	4.5 - 7.0	N/A
1	FR shirt and FR pants (1)	4.5 - 8.0	5
2	Cotton underwear + FR shirt/pants (2)	9.0 - 12.0	8
3	Cotton underwear + FR shirt/pants + FR coveralls (3)	16.0 - 20.0	25
4	Cotton underwear + FR shirt/pants + double layer switching coat/pants + (4)	24.0 - 30.0	40

3M Personal Safety Products Department  
Occupational Health and Environmental Safety Division

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