

PPE SELECTION CHECKLIST FOR INDUSTRIAL WORKERS AND SAFETY MANAGERS

1. HAZARD ASSESSMENT

- □ Conduct a site-specific hazard assessment (per OSHA 29 CFR 1910.132(d))
- □ Identify hazards by category (chemical, physical, electrical, biological, ergonomic)
- □ Determine PPE needs by body zone (head, eyes, hands, hearing, body, respiratory)

2. PPE CATEGORIES & STANDARDS

Face and Eye Protection

□ Goggles, safety glasses, face shields (ANSI/ISEA Z87.1-2020) □ Assess for risks: flying debris, chemical splash, radiation

Head Protection

□ Hard hats (ANSI/ISEA Z89.1-2014)
□ Choose: Type I or Type II; Class G (general), E (electrical), or C (conductive)

Hand Protection

Task-specific gloves (ANSI/ISEA 105-2016)
Consider: cut level, chemical resistance, thermal protection, dexterity

Hearing Protection

Earplugs, earmuffs (OSHA 29 CFR 1910.95)
Ensure proper Noise Reduction Rating (NRR) based on exposure measurements

Protective Garments

Coveralls, FR clothing, chemical suits
Match standard: NFPA 70E (arc flash), NFPA 2112 (flash fire), ASTM F1670/F1671 (fluid barrier)

Respiratory Protection

- □ Respirators (NIOSH certified under 42 CFR Part 84)
- \Box Confirm correct cartridge/filter type and fit testing

3. COMPLIANCE & DOCUMENTATION

- □ Verify all PPE is certified by appropriate NRTL
- □ Maintain records of assessments, training, and fit testing
- \Box Conduct regular compliance audits



4. COMFORT & FIT

- \Box Adjustable sizing and ergonomic design
- \Box Lightweight, breathable materials
- \Box Encourage user feedback to ensure wearability

5. DURABILITY & VALUE

- □ Prioritize high-quality, long-lasting PPE
- Evaluate performance in your specific work environment
- □ Review total cost of ownership, including maintenance and replacement intervals

6. COST-EFFECTIVENESS

- \Box Balance initial cost with long-term safety performance
- □ Include training, storage, and replacement in ROI calculations
- \Box Partner with vendors offering support and compliance resources