

PPE: Foot Protection Requirements

Department: Industrial Hygiene and Information Management

Program: Personal Protective Equipment

Owner: Program Manager

Authority: ES&H Manual, Chapter 19, Personal Protective Equipment¹

Safety shoes are required where the potential for foot injury exists from crushing due to falling (or rolling) objects, penetration of sharp objects, or electrical hazards. Managers and supervisors may contact the PPE program manager for assistance in determining if protective footwear is required in a work area. Personnel who require safety shoes may include the following:

- Carpenters
- Electricians
- Laborers
- Machinists
- Mechanics
- Riggers
- Storekeepers
- Shipping and receiving personnel
- Technicians

If a manager or supervisor determines that personnel are required to wear safety shoes, the manager or supervisor must specify which type of safety shoes are required (for example, steel toes or puncture-resistant soles). All safety shoes must meet the specifications of ANSI Z41.1 or ASTM F2413-05 to be approved for purchase. See PPE: Protective Footwear Reimbursement Procedure for steps to follow.²

For construction sites and welding operations, high-top boots are required.

The following table presents some common tasks, hazards, and PPE.

Task	Hazard	Foot Protection
Medical and cafeteria work	Slip, trips, and, falls	Slip-resistant shoes
Construction	Falling or rolling objects	Steel-toed boots
Jack hammering operations, hoisting and rigging	Falling objects, jack hammer	Metatarsal guards /steel shoe coverings
Concrete work or in standing water	Slips, standing water	Rubber boots
Salvage Yard operations	Sole puncture hazards	Steel-shank/steel-plated sole boots

1 *SLAC Environment, Safety, and Health Manual* (SLAC-I-720-0A29Z-001), Chapter 19, “Personal Protective Equipment”, <http://www-group.slac.stanford.edu/esh/general/ppe/policies.htm>

2 PPE: Protective Footwear Reimbursement Procedure (SLAC-I-730-0A21C-019), <http://www-group.slac.stanford.edu/esh/eshmanual/references/PPEProcedReimburseFootwear.pdf>