

Safety in Use of Electrical Appliances

We value human life; hence we take electrical safety measures. Basic safety rules must be observed. Without electricity, we couldn't live on earth as we do now. It's necessary to obey guidelines and have safety equipment to prevent shocks, fire, and electrocution. This article discusses electrical safety equipment. Fuse, breakers, and GFCIs. See primary articles for details. Electricity is a typical facility danger. Electrical equipment's engineering controls protect employees from shock under normal situations. Shock is an external current flowing through a worker's body. Accidents with electricity may be fatal.

- Tools, equipment, and power socket outlets should be turned off before plugging in or disconnecting; 4) Equipment should be turned off and/or disconnected before cleaning, adjusting, and leaving overnight.
- 110 V equipment and extension cables must be utilised where risk assessment requires, such as in weather-, moisture-, or damage-prone places. If the equipment isn't 110 V, the supply must be regulated by an RCD or ELCB.
- Electrical equipment, including appliances, should have an isolation switch. Instructions must be read and understood before using unknown equipment.
- Don't connect equipment into light bulb sockets or emergency circuits. Multi-way extension cords may be utilised, but don't overload the socket.
- Use circumstances must be safe, e.g., certain equipment may have grills, vents, or fans or need a surrounding air space for cooling. Air cooling must not be impeded, such as by bad equipment placement
- Mains cables must not be placed where they might be harmed by furniture, trolleys, or people walking on them. If placing wires in a busy location is unavoidable, they must be covered and labelled to decrease tripping.
- Use the equipment solely for its designated function, e.g., indoors only.
- Don't submerge the appliance unless it's meant to.
- Keep hands, fingers, feet, toes, and hair away from moving components and blades.
- Don't use wet electrical appliances.
- Use electrical appliances with dry hands.
- Children or individuals with illnesses or disabilities cannot operate appliances unsupervised.
- Children shouldn't play with the appliance.
- Maintaining the appliance ensures a long usable life and protects the user from electric shock or mechanical catastrophes.