

# Fire-Safe Construction



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# Common Fire Risks Throughout Construction Operations

## Construction sequencing risks

incomplete fire separations, exposed structures, or temporary openings that allow rapid fire spread.

## Hot work activities

tasks such as welding, cutting, or grinding that generate heat and sparks.

## Lack of training

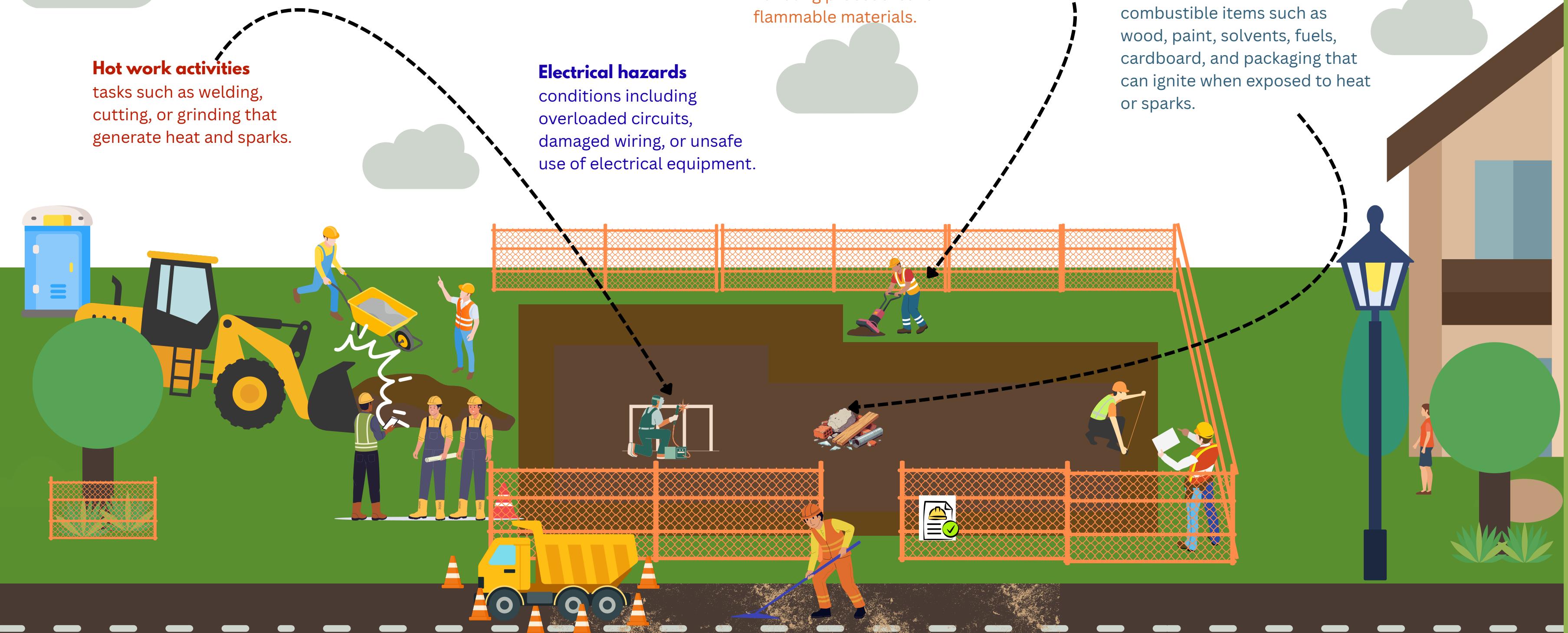
situations where workers lack awareness of fire hazards or safe handling procedures for flammable materials.

## Electrical hazards

conditions including overloaded circuits, damaged wiring, or unsafe use of electrical equipment.

## Flammable materials

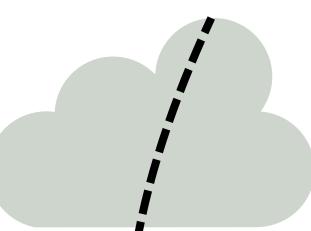
combustible items such as wood, paint, solvents, fuels, cardboard, and packaging that can ignite when exposed to heat or sparks.



# Key Tips to Reduce Fire Risk During Construction

## Enforce no-smoking policies

limit smoking to designated safe areas away from combustible materials.



## Plan emergency response

define evacuation routes, assembly areas, and communication procedures in advance.



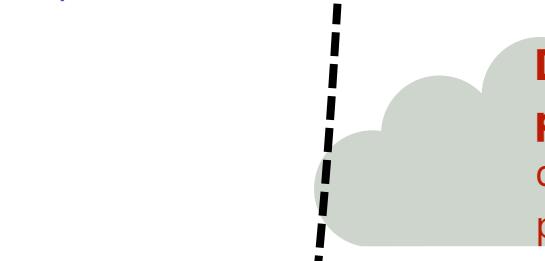
## Maintain housekeeping

routinely remove waste and combustible materials and keep all work areas orderly.



## Store flammable materials properly

clearly label and segregate flammable liquids and solvents, using approved storage practices.



## Provide fire safety training

educate workers on fire risks, prevention methods, and the correct use of firefighting equipment.



## Develop fire prevention policies

develop site-specific rules and procedures that address identified fire hazards.

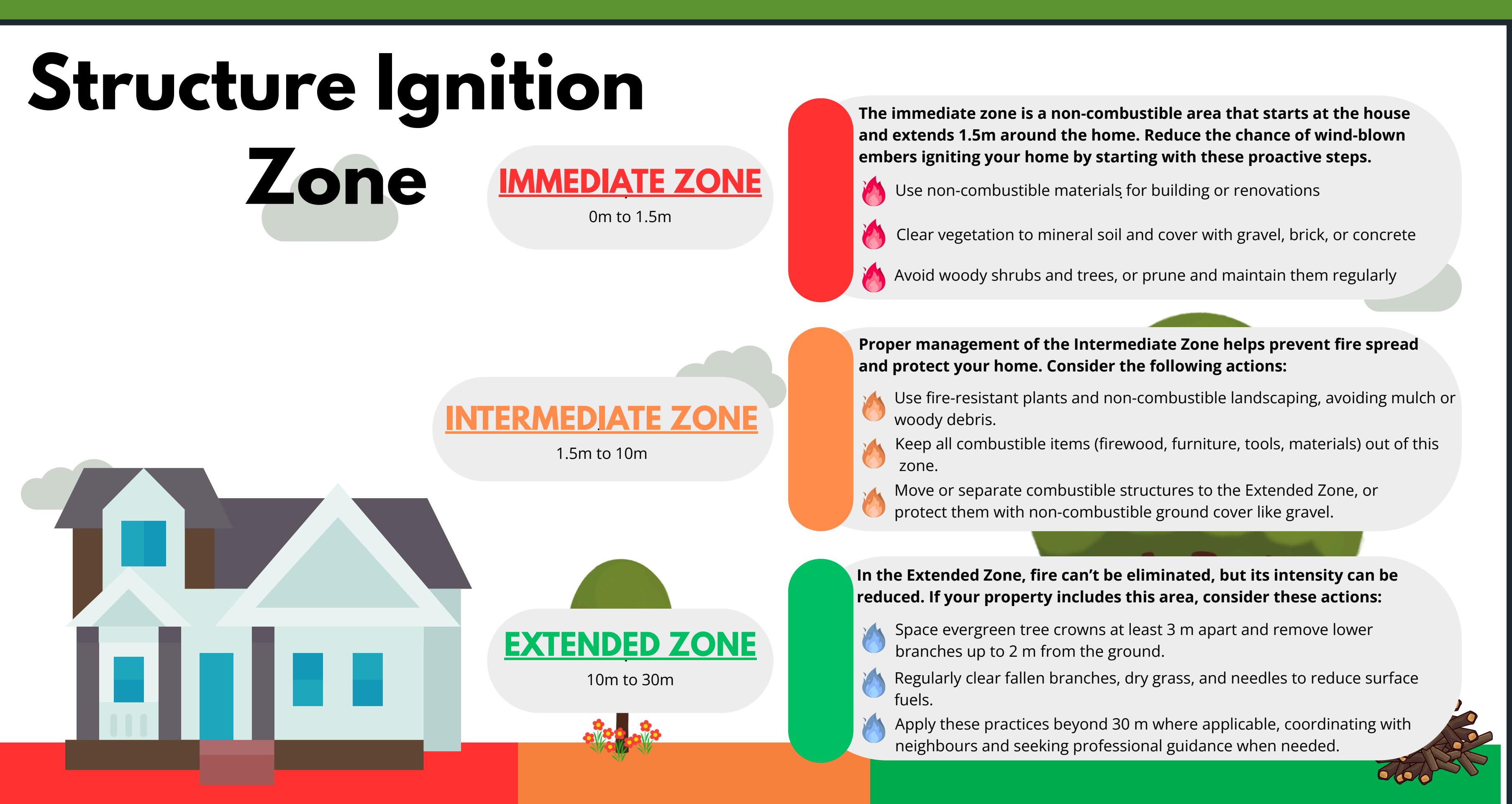


## Ensure accessible firefighting equipment

ensure fire extinguishers, hoses, and suppression devices are readily available in high-risk locations.



# Structure Ignition Zone



# Reducing Ignition Zone on Structure

