

FIRE-RESISTANT HOME DESIGN: KEY INSIGHTS



Fire-resistant materials



Roofing

Metal, clay, or concrete tiles, Class A asphalt shingles.



Exterior walls

Insulated Concrete Forms (ICFs), fiber cement, brick, stucco.



Windows and doors

Tempered glass, double-paned windows, and solid-core doors.



Decking and landscaping

Composite decking and fire-safe ground coverings like gravel or stone.

Smart fire safety features



Sprinkler systems

Home fire sprinklers contain 96% of fires to their room of origin.



Fire-resistant sealants

Helps prevent fire from spreading through small openings using fire-rated caulk or sealants.



Draft-stopping barriers

Helps limit airflow between attics, floor cavities, etc., reducing pathways for fire to travel.



Fire compartmentation

Compartmentalizing high-risk areas reduces overall fire risk.

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Fire-resistant home design considerations



Building homes with a defensible space on flat land, away from dense vegetation, to reduce wildfire risk.



Providing an accessible water source near the home supports firefighting efforts and slows fire spread.

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