









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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