



Ignition-Resistant Construction

The following materials and methods are typically acceptable in Boulder County as meeting the requirements for ignition-resistant construction on the exterior of buildings:

Wall Coverings

(extending from the top of the foundation wall to the eave enclosure)

- Minimum 8 inch logs
- Minimum 8 inch timbers
- Non-combustible siding such as hardi plank or metal siding.
- Cement stucco
- EIFS synthetic stucco
- Wood siding installed over 5/8" gypsum sheathing

Roof Coverings

- Metal
- Any listed and tested class A roof covering.

Note: wood roofs are not permitted

Eaves

- Non-combustible fascia and soffit material.
- Wood fascia and soffit material with a minimum thickness of 3/4 inches.
- Wood fascia and soffit material less than 3/4" in thickness installed over 5/8" gypsum sheathing
- Gutters and downspouts of non-combustible material.

Note: Exposed rafter tails are not permitted. Eave vents are not permitted.

Under floor protection

Option 1 - Enclosed from the underside of the floor framing to the ground with a concrete or masonry foundation.

Option 2 - Enclosed from the underside of the floor framing to the ground with approved wall materials.

Option 3 - Enclosed from the underside of the floor framing to the ground with combustible wall covering materials installed over 5/8 gypsum sheathing.



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Ignition-Resistant Construction (con't)

Decks and porches

- Columns
Non-combustible, minimum 6" logs, or minimum 6X6 solid wood.
- Deck Surface
 - Option 1 - Non-combustible material such as concrete, concrete pavers or metal.
 - Option 2 - Ignition resistant material such as Trex, fire retardant lumber (factory applied pressure-treated exterior grade), or lumber tested to meet the requirements as Class A material in accordance with ASTM E 84.
- Deck floor framing
 - Option 1 - Non-combustible beams and joists..
 - Option 2 - Minimum 6X10 wood beams, minimum 3X8 solid wood joists.
 - Option 3 - Minimum 6X10 wood beams, exterior grade fire retardant joists.
 - Option 4 - Wood beams and joists protected with 5/8" gypsum soffit with non- combustible and non-permeable deck surface material.

Glazing

- Multi-layered glazing panels, glass block, or tempered glass .

Doors

- Non-combustible material, solid wood of minimum 1 3/4" in thickness, or a listed tested door with a rating of not less than 20 minutes.

Vents

- Crawlspace vents- Screened vent openings not exceeding 144 sq. inches installed as close to grade as possible.

Note: Not required if the crawlspace is insulated in accordance with section N1102.1.7 of the IRC using R-20 insulation with a vapor retarder installed on crawlspace grade)

Note: Screening must be non-combustible, corrosion-resistant material with openings no exceeding 1/4 inch.

- Attic Vents - screened vents not exceeding 144 sq. inches. Attic vents are not permitted in soffits, overhangs, or between rafters.

Note: Screening must be non-combustible, corrosion-resistant material with openings no exceeding 1/4 inch.