

Construction Class Cheat Sheet

(Separated by Roof/Floor Material)

Wall Material	Floor/Roof Material	Construction Class	Code
Wood / Combustible	Wood / Combustible ¹	Frame	1
Non-Combustible / Metal	Wood / Combustible ¹	Frame	1
Masonry ²	Wood / Combustible ¹	Joisted Masonry	2
Modified Fire Resistive	Wood / Combustible ¹	Joisted Masonry	2
Fire Resistive	Wood / Combustible ¹	Joisted Masonry	2

¹ Includes a "Combustible Assembly"

² One layer of non-load-bearing bricks covering metal studs is **not** considered a masonry wall; it is a non-combustible wall with a brick facade.

Wall Material	Floor/Roof Material	Construction Class	Code
Wood / Combustible	Non-Combustible / Slow Burning ³	Frame	1
Non-Combustible / Metal	Non-Combustible / Slow Burning	Non-Combustible	3
Masonry	Non-Combustible / Slow Burning	Masonry Non-Combustible	4
Modified Fire Resistive	Non-Combustible / Slow Burning	Masonry Non-Combustible	4
Fire Resistive	Non-Combustible / Slow Burning	Masonry Non-Combustible	4

³ This includes Built-Up Tar and Gravel Roof

Wall Material	Floor/Roof Material	Construction Class	Code
Wood / Combustible	Concrete, Modified Fire Resistive or Fire Resistive	Frame	1
Non-Combustible / Metal	Concrete, Modified Fire Resistive or Fire Resistive	Non-Combustible	3
Masonry ⁴	Concrete, Modified Fire Resistive or Fire Resistive	Modified Fire Resistive	5
Masonry ⁵	Concrete or Fire Resistive	Fire Resistive	6
Modified Fire Resistive	Concrete, Modified Fire Resistive or Fire Resistive	Modified Fire Resistive	5
Fire Resistive ⁶	Modified Fire Resistive	Modified Fire Resistive	5
Fire Resistive ⁶	Concrete or Fire Resistive	Fire Resistive	6

⁴ If the masonry does not meet the requirements of footnote "4" but is at least 4 inches thick, then the structure is classed as modified fire resistive.

⁵ To qualify, the wall must be either: 1) **solid** masonry at least 4" thick; 2) hollow masonry at least 12" thick; or 3) hollow masonry between 8" and 12" thick with a listed fire resistance rating of at least 2 hours.

⁶ "Fire Resistive" is defined as a non-combustible material or assemblies with a fire resistance rating of at least 2 hours. Can be accomplished based on the material or by the application of a sprayed on cementitious mixture covering all exposed metal. If between 1 and 2 hours fire resistance rating, the member is considered "modified fire resistive."