


Calculated Fire Resistance (722.6)

DCA 4 Component Additive Method (CAM) for Calculating and Demonstrating Assembly Fire Endurance



Code Acceptance

Component Additive Method (CAM) for Calculating and Demonstrating Assembly Fire Endurance


Woodframe walls and floor-ceiling assemblies are permitted to provide structural fire resistance in walls or floors under conditions. These assemblies are permitted to be used in buildings under a range of options for their use.

Building Code Requirements

In buildings and other structures, wood frame walls and floor-ceiling assemblies are permitted to be used in buildings under conditions. These assemblies are permitted to be used in buildings under a range of options for their use.

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722.6 Wood assemblies. The provisions of this section contain procedures by which the *fire-resistance ratings* of wood assemblies are established by calculations.

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CAM Membrane Table

Time Assigned
to Protective
Membranes
• IBC Table
722.6.2(1)

**TABLE 722.6.2(1)
TIME ASSIGNED TO WALLBOARD MEMBRANES^{a, b, c, d}**

DESCRIPTION OF FINISH	TIME ^e (minutes)
3/8-inch wood structural panel bonded with exterior glue	5
5/16-inch wood structural panel bonded with exterior glue	10
3/16-inch wood structural panel bonded with exterior glue	15
3/8-inch gypsum wallboard	10
1/2-inch gypsum wallboard	15
3/4-inch gypsum wallboard	30
1/2-inch Type X gypsum wallboard	25
3/4-inch Type X gypsum wallboard	40
Double 3/8-inch gypsum wallboard	25
1/2-inch + 3/8-inch gypsum wallboard	35
Double 1/2-inch gypsum wallboard	40

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