

## Calculated Fire Resistance (722.6)

### CAM Cavity Insulation Table

Assigned Times for Insulation of Cavity

•IBC Table 722.6.2(5)

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TIME ASSIGNED FOR ADDITIONAL PROTECTION

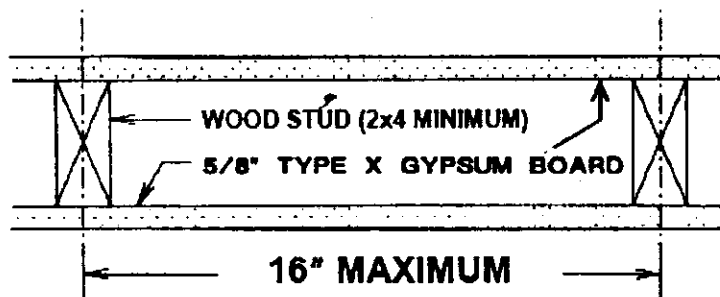
DESCRIPTION OF ADDITIONAL PROTECTION	FIRE RESISTANCE (minutes)
Add to the <i>fire-resistance rating</i> of wood stud walls if the spaces between the studs are completely filled with glass fiber mineral wool batts weighing not less than 2 pounds per cubic foot (0.6 pound per square foot of wall surface) or rock wool or slag material wool batts weighing not less than 3.3 pounds per cubic foot (1 pound per square foot of wall surface), or cellulose insulation having a nominal density not less than 2.6 pounds per cubic foot.	15

For SI: 1 pound/cubic foot = 16.0185 kg/m<sup>3</sup>.

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## CAM Example 1

### Interior Wall



5/8 inch Type X gypsum wallboard	= 40 minutes
Wood studs	= 20 minutes
<b>Combined Assembly Fire Resistance Rating</b>	<b>= 60 minutes</b>

**Figure 1 Interior Wall**

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