



Do you know the difference between Type X and Type C drywall?

Both types of drywall are typically used in fire rated partitions. The type of the drywall is identified in the fire rated tested assembly. Make sure that the project has a copy of ALL fire rated tested assemblies identified in your project. Review the type of drywall required for each tested assembly and confirm with your Contractor.

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- ⦿ Type X is typically 5/8" thick, 1-hour. (*There are some manufacturers that make 1/2", 45-minute board*).
- ⦿ Type C is typically 1/2" or 5/8" thick. *1/2" Type C gypsum panels are typically used for ceiling applications.*
- ⦿ There are glass fibers in Type C and Type X drywall panels which reduces the severity of cracks and shrinkage when exposed to fire or heat; however, performance varies for Type X and Type C.
- ⦿ Typical gypsum board shrinks when exposed to heat due to a loss of moisture with-in the board. Type X and Type C are held together by the glass fibers. Type X will slightly shrink and Type C will expand due to the vermiculite additive, which is activated by heat and expands, providing greater fire-resistance at the seams.
- ⦿ Type X gypsum board generally part of a system that has a fire-resistance rating of not less than one hour for 5/8" boards or 45 minutes for 1/2" boards.
- ⦿ Type C is an enhanced gypsum panel that exceed the requirements for Type X gypsum board.
- ⦿ 5/8" Type C gypsum panels can replace 5/8" Type X panels in most designs, **but never the other way**; Type C designs typically require a greater level of fire protection than Type X designs.
- ⦿ The tested Fire Rated Assembly is typically what identifies which fire rated panels are required for the wall type. Always review and verify the type of wall panels are required on your job!

