



TEST REPORT

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ASTM E119-00a

Fire Tests of Building Construction and Materials*

ArmorCo Advanced Armoring Bullet-Resistant FRP Panel

Project No. 12780-116715

ONE-HOUR FIRE RESISTANCE TEST OF A NONBEARING STEEL STUD WALL WITH 5/8" TYPE X GYPSUM ON THE EXTERIOR AND 5/8" TYPE X GYPSUM WALLBOARD OVER ARMORCO'S FRP PANEL ON THE INTERIOR

*Modified in that the sample size was less than 100 ft.² and the fire test was performed from the interior side only



Abstract

A 4' x 4' steel stud wall (3⁵/₈" 20 GA. spaced 24" o.c.) was constructed with 5/8" Type X gypsum wallboard on the exterior surface and a layer of 5/8" Type X gypsum wallboard over ArmorCo's FRP panel on the interior surface. The fire test was performed with the interior facing the fire, in accordance with ASTM Method E119-00a Fire Tests of Building Construction and Materials. The assembly successfully met the conditions of acceptance with the fire against the interior surface only for a fire endurance rating of 1-h.

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