

# PLYROCK FIBERCEMENT BOARD FIRE RATING TEST 1 HOUR

Report	Scope	Astm Norm		Laboratory	Results
100864384 SAT-002	Fire resistance test - 1 hour Plyrock panel	ASTM E 119	Standard test methods for fire tests of building construction and materials	Intertek Testing Services	Assembly test is one hour fire resistance

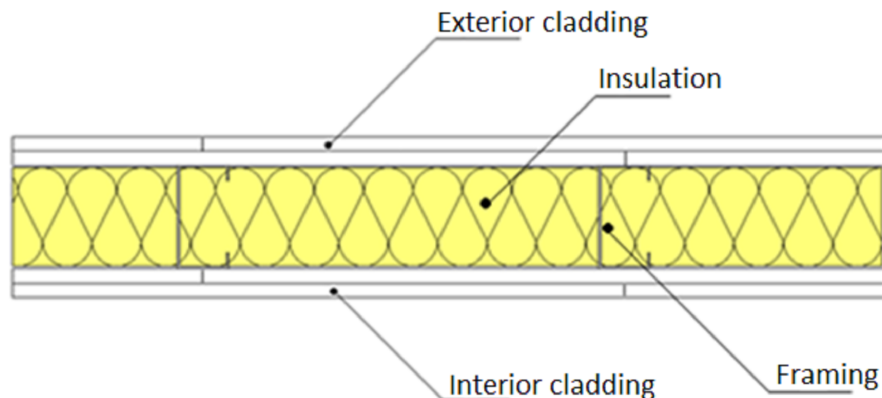
## Assembly Description:

**Framing:** 2"x4", 20 Ga. galvanized Steel studs spaced 16" o.c., floated top and bottom in 20 Ga. galvanized Steel track

**Interior Cladding:** Two layers of Plyrock Fibercement Board. The base layer was 7mm fibercement board installed with the long edge parallel to the studs; secured using #6 x 1-1/4" self drilling screws spaced 16" o.c. around the perimeter and 24" o.c. in the field; a face layer of 10 mm Plyrock Fibercement Board installed with the long edge parallel to the studs, using #6 x 1-5/8" self drilling screws spaced 8" o.c. around the perimeter and 12" o.c. in the field; all seams were staggered between layers.

**Insulation:** 15 - 1/4" x 47" x 3" thick Roxul Safe'n' sound mineral wool insulation (reported density 6 pcf) was installed in the stud cavities, insulation joints staggered in cavities.

**Exterior cladding:** Two layers of Plyrock Fibercement Board installed identically to the interior cladding, with the 7 mm Plyrock Fibercement Board as the base layer and 10 mm Plyrock Fibercement Board face layer. Joints staggered from interior to exterior of wall.



## Results:

Based on the results of this tests, the assembly withstood the effects of the fire and hose stream tests and achieved a fire resistance rating of 60 minutes.