



TEST REPORT

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ASTM E119-00a

Fire Tests of Building Construction and Materials

Project No. 8932-124352

2-HR TEST OF LOADBEARING CONCRETE WALL ASSEMBLY
RCC-SS-FR120-X

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Prepared for:

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In accordance with the E119 test standard, a calculation for any correction to the indicated fire resistance period was then mathematically added to the indicated fire resistance period, yielding the fire resistance period achieved by this specimen:

ITEM	DESCRIPTION	TEST VALUE
C	correction factor	+0.18 min (+11 seconds)
I	indicated fire-resistance period	120 min
A	area under the curve of indicated average furnace temperature for the first three fourths of the indicated period	133 071°F•min
As	area under the standard furnace curve for the same part of the indicated period	132 768°F•min
L	lag correction	3240°F•min
	FIRE RESISTANCE PERIOD ACHIEVED BY THIS SPECIMEN ==>	120

Note: The standard specifies that the fire resistance be determined to the nearest integral minute. Consequently, if the correction factor is less than 30 seconds, and the test specimen met the criteria for the full indicated fire resistance period, no correction is deemed necessary. That was the case for this project.

Listings and plots of the furnace control temperatures and specimen unexposed surface temperatures may be found in Appendix D2. A photographic documentation of the test has been included in Appendix E2.

CONCLUSIONS

The test specimen identification is as provided by the client and Omega Point Laboratories, Inc. accepts no responsibility for any inaccuracies therein. Omega Point did not select the specimen and has not verified the composition, manufacturing techniques or quality assurance procedures. These test results pertain only to the sample tested and may not be representative of ongoing production. This product is not covered by the ARL Listing, Labeling and Follow-Up Service Program and is not considered ARL Listed.

The Royal Concrete Concept Model No. RCC-SS-FR120-X wall assembly tested as described in this report achieved a fire endurance rating of 2-hours when tested in accordance with ASTM E 119-00a Fire Tests of Building Construction and Materials, while maintaining a superimposed load of 2,000 lbs per lineal foot.

