

# ICC-ES TEST REPORT

**ASTM E119 (Fire Resistance Performance)**

**RENDERED TO: Litecon Corporation  
18911 Hardy Oak Boulevard No. 190  
San Antonio, TX 78258**

**PRODUCT: 2-in. thick, Litecon Subfloor  
Panels**



**Report No.:** AMAB010524-57  
**Test Date(s):** 07/03/2024  
**Report Date:** 07/09/2024  
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## 1.0 General Information

### 1.1 Product

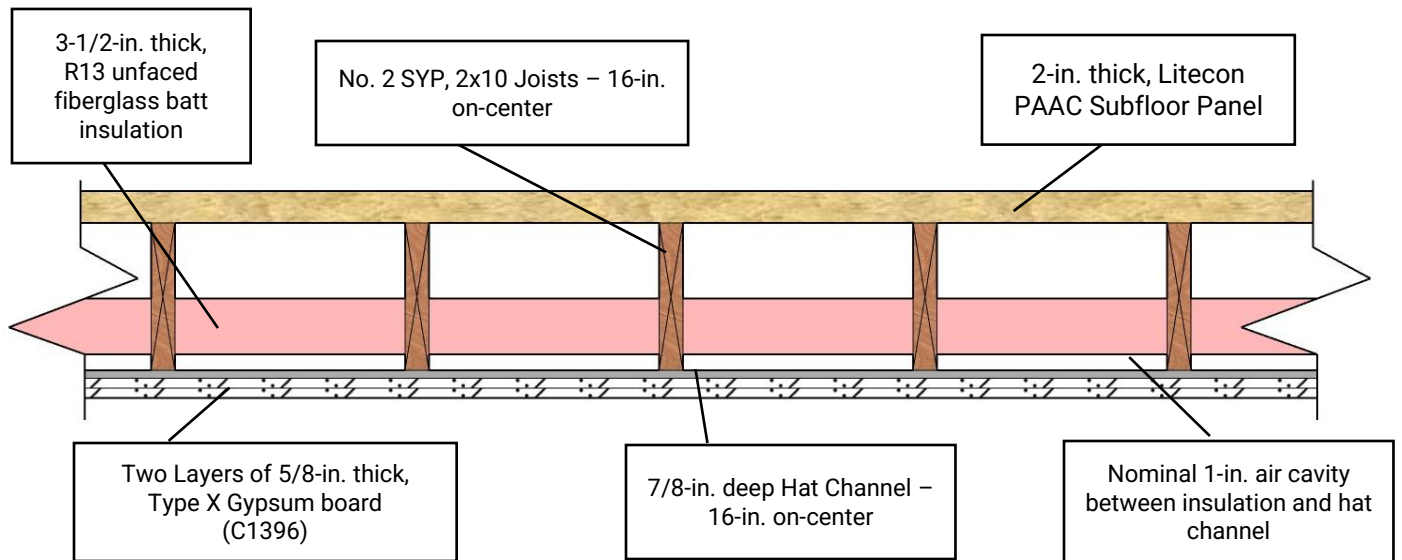
2-in. thick, Litecon Subfloor Panels

### 1.2 Project Summary

ICC Evaluation Service (ICC-ES) was contracted by Litecon Corporation to evaluate 2-in. thick, Litecon Subfloor Panels in accordance with ASTM E119. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at ICC-ES's facility in Bryan, Texas.

### 1.3 Product Description

Litecon's Precast Autoclaved Aerated Concrete (PAAC) Panels are reinforced precast, noncombustible panels manufactured from autoclaved aerated concrete (AAC). The panels are reinforced with plain, steel wire complying with ASTM A82. The reinforcing wire is nominally 7/64-in. diameter. The panels are manufactured with square edge and come in dimensions; 2x4-ft., 2x7-ft., and 2x8-ft.



### 1.4 Qualifications

ICC-ES in Bryan, TX has demonstrated compliance with ISO/IEC 17025 and is consequently accredited as a Testing Laboratory. ICC-ES is accredited to perform all testing reported herein.

## 1.5 Product Sampling

Litecon's 2-in. thick, subfloor panels and thin bed mortar was sampled by ICC-ES, reference Project No: AMAB010524-58, dated February 7, 2024. PAAC panels and bags of thin bed mortar were received at the testing facility on February 23<sup>rd</sup>, 2024.

## 1.6 Witnessing

The following were present for testing reported herein:

Witness	Organization
Leonel Borja	Aircrete Mexico
Ruben Gonzalez	Litecon

## 1.7 Conditions of Testing

Unless otherwise indicated, all testing reported herein was conducted in ambient laboratory conditions.

## 2.0 Referenced Standards

**ASTM E119-23**, *Standard Test Methods for Fire Tests of Building Construction and Materials*

## 3.0 Summary of Results

**Fire Resistance Rating: 60 minutes (Two Layers of 5/8-in. thick, Type X Gypsum Board exposed)  
Load Bearing Assembly (Max. Load Condition)**

## 7.0 Summary and Conclusions

The load bearing, unrestrained, floor/ceiling assembly described in this report did meet the Conditions of Acceptance of ASTM E119 for a period of 61 minutes. The unexposed temperatures of the floor/ceiling assembly detailed within this report did not exceed the maximum temperature thresholds for the duration of the fire resistance period of the test. The floor/ceiling assembly sustained the applied load for the duration of the fire resistance period. The tested floor/ceiling consisting of Litecon's 2-in. thick, Precast Autoclaved Aerated Concrete (PAAC) Subfloor Panels obtained a Fire Resistance Rating of 1-hour (60 minutes).

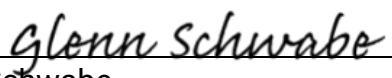
## 8.0 Closing Statement

This report contains only findings and results arrived at after employing the specific test procedures listed herein. It does not constitute a recommendation for, endorsement of, or certification of the product or material tested. Unless differently required, ICC-ES reports apply the "Simple Acceptance" rule, also called "Shared Risk approach", of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity. ICC-ES makes no warranty, expressed or implied, except that the test has been performed, and a report prepared, based upon the specimen specified by the client. Extrapolation of data, from the test data provided herein, to the batch or lot from which the specimens were obtained may not correlate and should be interpreted with extreme caution. ICC-ES assumes no responsibility for variations in quality, composition, appearance, performance, or other features of similar materials produced by the client, other persons, or under conditions over which ICC-ES has no control. ICC-ES has issued this report for the exclusive use of the client to whom it is addressed. Any use or duplication of this report shall not be made without their consent. This report shall only be reproduced in its entirety.

For ICC-ES:

  
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07/09/2024

  
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07/09/2024