

March 7, 2025

Mr. Samuel Chastain
ALFREX, LLC
943 Gainesville Hwy Bldg100-4000
Buford, GA 30518
USA

Subject: Summary Letter for Report No. G105972513SAT-001, for Alfrex regarding testing of Alfrex's 6 mm FR MCM Panels to NFPA 285.

Dear Samuel,

The assembly described above underwent fire resistance testing to the applicable requirements of **NFPA 285-25**, *Standard Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components*. The test took place on February 13, 2025, and was conducted at the Intertek B&C test facility in Elmendorf, Texas, USA.

Interior Cladding: Utilized 4-ft. x 8-ft. x 5/8-in. Type X gypsum board, installed with the long dimension perpendicular to framing. Boards secured with #6 x 1-1/4-in. self-drilling screws at 8 inches on center around the perimeter and 12 inches in the field. **Framing:** Comprised 3-5/8 in. x 18 ft. x 18 GA steel studs anchored to 14-ft x 3-5/8 in. x 18 GA steel track, with vertical studs spaced 24 inches o.c. Attachment used #6, 1/2-in. self-drilling screws. **Exterior Sheathing:** Made of 4-ft. x 8-ft. x 5/8-in. DensGlass® Gold, fastened with #6, 1-1/4-in. screws at 8 inches at the joints and 12 inches in the field. **Vapor Barrier:** VaproShield® PanelShield™ SA vapor barrier applied horizontally over sheathing, self-adhered. **Insulation:** 3-in. ROCKWOOL Cavityrock® Semi-Rigid Stone Wool Insulation Board installed between the vapor barrier and MCM panels, secured with self-adhered pins. **Z-Girts:** 3-in. tall, 18 GA continuous steel z-girts installed horizontally and fastened with 2-inch #12 TEK3 screws. **Exterior Panels:** Alfrex 6-mm FR MCM panels installed horizontally, secured to z-girts with 2-inch #12 TEK3 screws, maintaining a 1/2-inch gap, filled with 4-mm composite splines. **Window Opening:** Featured .040" thick aluminum closure trim, 10-1/2" wide with a 5/8" drip edge—final window dimensions: 78 x 30 inches.

The assembly and testing are described in full in Intertek Test Report No. G105972513SAT-001

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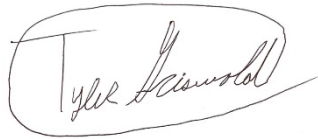


The conclusion of the report states, "The Alfrex wall system containing 6 mm FR MCM Panels **met** the specified performance requirements set forth by NFPA 285-25.

If you have any questions regarding this letter report, please do not hesitate to contact the undersigned:

Sincerely,

INTERTEK B&C

A handwritten signature in black ink, appearing to read "Tyler Griswold", enclosed within a hand-drawn oval.

Tyler Griswold
Project Engineer
210-635-8122

cc: G105972513SAT-001-Summary Report

A handwritten signature in black ink, appearing to read "Klarissa Gonzalez", written in a cursive style.

Klarissa Gonzalez
Project Engineer