

Intertek Testing Services NA Inc. 16015 Shady Falls Rd. Elmendorf, TX 78112 U.S.A.

Issue Date: December 17, 2021

Intertek Letter Report No. G104788959SAT-004 Intertek Project No: G104788959

Phone: 470-589-7449

Julia Jun Alfrex, LLC 943 Gainesville Hwy., Building 100-4000 Buford, GA 30518 USA

Subject: Summary Letter for Report No. G104788959SAT-002, CAN/ULC S134 testing of 4 mm ALFREX FR Aluminum Composite Materials

Dear Julia Jun,

This letter report represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

The assembly described above underwent fire resistance testing to the applicable requirements of *CAN/ULC S134 Standard Method of Fire Test of Exterior Wall Assemblies, 2nd Edition, dated August 2013(R2018).* The test took place on December 2, 2021 and was conducted at the Intertek B&C test facility in Elmendorf, Texas, USA.

Interior cladding was composed of 1/2 in. thick, American Gypsum Firebloc TYPE X gypsum board. Studs used were 2 in. x 6 in., 20 GA galvanized steel studs, 24 in. oc. Exterior sheathing was composed of 5/8 in. DensGlass® Gold Exterior Sheathing (Georgia Pacific). One layer of WrapShield SA® vapor barrier was installed over the exterior sheathing, self-adhered into place. Insulation, 3 in. thick mineral wool with a dual density of 6.2psf on the outer layer and 4.1psf on the inner layer, was used between the vapor barrier and ACM panels. This was held in place with 3 in. wide, 18GA steel zees installed horizontally, spaced 24-in. on center with #14 x 1-1/2 in. type "A" screws, with two screws at every stud, through the pre-installed 2"x 3" aluminum clips around the perimeter of the panels. Exterior panels were 4mm Alfrex FR Aluminum Composite Material. The panels were installed leaving a nominal 1/2 in. gap between panels edges.

The assembly and testing are described in full in Intertek Test Report No. G104788959SAT-002



Intertek Intertek Inte

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only the sample tested. This report by itself does not imply that the material, product or service is or has ever been under an Intertek certification program.





The conclusion of the report states, "The Alfrex, LLC aluminum composite panel wall system containing 4 mm thick Alfrex FR Aluminum Composite Materials met the conditions of acceptance outlined in CAN/ULC S134-2013, Standard Method of Fire Test of Exterior Wall Assemblies 2nd Edition, dated August 2013 (Reaffirmed 2018)."





APPENDIX A: Photos



Photo No. 1 4 mm Alfrex aluminum composite panel Wall assembly Start of Test.



Photo No. 2 4 mm Alfrex aluminum composite panel Wall assembly End of Test.



Intertek



If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact your designated Intertek Project Manager.

Completed by:	Emmanuel Ogoe	Reviewed by:	Abel de Hoyos
	Project Engineer Fire		Senior Project Manager –
	riojeet Engineer, rire		Senior Project Manager
Title:	Resistance	Title:	Fire Resistance
	Emmanuel Oged		Allos
Signature:		Signature:	
Date:	17 December 2021	Date:	17 December 2021





Intertek

Intertek Intertek