



**PRIEST & ASSOCIATES
CONSULTING, LLC**

January 30, 2015

Fibersin Industries Inc.
37031 E. Wisconsin Ave.
Oconomowoc WI 53066

Re: Project No. 10266B
NFPA 285 Compliance of Fibersin Industries Stonewood 10mm Architectural Panels

Dear Sirs:

The purpose of this Engineering Letter is to verify that 10 mm Stonewood Architectural Panels (mfg. by Fibersin Industries) as described in Priest and Associates Test Plan 10266 and in Intertek NFPA 285 Test report 10194697SAT-001 complies with the NFPA 285 fire test.

A test plan was written to design an exterior wall utilizing the 10 mm Stonewood panels that could potentially pass the NFPA 285 fire test. The wall was constructed at the Intertek fire test laboratory in Elmendorf, TX and tested on January 27, 2015 under the witness of Javier O. Trevino (Priest Associates Engineer).

After verifying that the wall was constructed according to the test plan, the test was conducted. During the test, visual observations indicated that the visual flame spread result was compliant. After the test, thermocouple data was analyzed to determine thermal compliance. The overall visual and thermal test results indicate that all criteria in accordance with the NFPA 285 test standard were met.

The construction tested utilized the following features:

| Interior sheath | Stud | Cavity Insulation | Exterior Sheath | WRB | Exterior Insulation | Exterior WRB | Gap | Exterior Cladding |
|------------------------------|---|---|-----------------------------------|------------------|--|--------------|-------|---|
| 5/8" type X gypsum wallboard | 25 GA. 3 5/8" 24 in. OC w/ lateral bracing every 4 ft | None except 4 inch 4 pcf Thermafiber floor line fire-stops at each cavity | 1/2 in. exterior gypsum sheathing | Reveal-Shield SA | 2 inch mineral fiber (Roxul Cavity Rock) | None | 1 in. | 10 mm Stonewood Class A Mounted using Northclad exposed fastener with insulation method |

Note: Window perimeter clad with 25 GA. sheet steel flashing. The wall incorporated a fire break (8 ft wide approx., 18 GA. steel flashing, 3 1/2 inch depth with 1 inch drip leg) installed 4 feet above the window at a horizontal panel joint location. The fire break reaches from the insulation surface through to the exterior of the cladding, penetrating by approximately 2 inches.

The Intertek test report reporting the following findings (excerpted from test report):

6 Conclusion

Intertek Testing Services NA, Inc. (Intertek) has conducted testing for Fiberesin Industries, Inc., on their Stonewood™ Exterior Architectural Panels, to evaluate the fire propagation characteristics. Testing was conducted in accordance with the applicable requirements and following the standard methods of **NFPA 285 Standard Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components, 2012 Edition**. This evaluation took place January 27, 2015.

Based on the data from this test, the wall assembly constructed as described herein met the conditions of acceptance of the standard.

The conclusions of this test report may be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

INTERTEK

If there are any questions related to this, we will be happy to address them if needed.

Prepared by,



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Date: January 30, 2015

