| Acrovyn® 4000 Wall Panel Shear Load Testing – Permanent Adhesive

Intertek | **Architectural Testing**

February 23, 2017

Mr. Dustin Gardner
Construction Specialties, Inc.
Research and Development
193 Miller Avenue
Montgomery, Pennsylvania 17752

Dear Mr. Gardner:

Architectural Testing, Inc., an Intertek company ("Intertek-ATI"), was contracted by Construction Specialties, Inc. to evaluate the shear load strength of the permanent adhesive wall panel system. Testing was performed onsite at the Construction Specialties facility in Montgomery, Pennsylvania.

The specimens were evaluated in accordance with a client derived test method for shear load capacity.

Three Acrovyn Wall Panels were used to determine an average failure load for the set. All panels were mounted as described in the product description section of this report. A steel plate was mounted to the top of the panel using two 3/8 in. bolts through 1/2 in. diameter holes. The plate was centered along one edge of the panel with the holes drilled 2 in. in from the edge. The entire system was then mounted to a tube steel frame using clamps to accommodate testing. A large carabiner clip attached to a steel chain was attached to the steel plate and pulled using a double action pneumatically actuated cylinder which was connected to a calibrated dynamometer. Specimens were tested with an average pull speed of 0.86 in/s in a horizontal plane.

Specimen No.	Maximum Load (lbs)*
1	1,100[1]
2	1,000[2]
3	1,050
Average	**1,050**

[1]*Testing was terminated to protect equipment. No shear strength of the panel was achieved.*
[2]*The drywall broke during testing. No shear strength of the panel was achieved.*

*Reference should be made to Intertek-ATI Report No. **G7349.08-106-47** for complete test specimen description and results. This summary alone is not a complete report.*

For INTERTEK-ATI:

Digitally Signed by: Dennis Fassnacht

Dennis Fassnacht Jr.
Technician I
Components / Materials Testing

Digitally Signed by: Joseph M. Brickner

Joseph M. Brickner
Laboratory Supervisor
Components / Materials Testing

DMF:jmb/kf
cc: G7349.08-106-47

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