

## Acrovyn 4000 Wall Covering Impact Testing



August 11, 2010

Mr. Dave Laidacker  
 Construction Specialties, Inc.  
 4660 Paradise Road  
 P.O. Box 378  
 Milton, Pennsylvania 17847-0378

**RE: IMPACT LOAD TEST SUMMARY**

Dear Mr. Laidacker:

Construction Specialties, Inc. contracted Architectural Testing, Inc., an independent test laboratory, to witness testing of their New Acrovyn® 4000 0.040" and 0.060" Wall Covering and a competitor's 0.040" thick product at the Milton, Pennsylvania facility. Ram-type impact tests in general accordance with Section 18 of ASTM F 476-84 (Reapproved 2002), *Standard Test Methods for Security of Swinging Door Assemblies* were conducted for the three wall protection products. Three samples of each product were mounted to 1/2" thick standard interior drywall sections over steel studs. Each individual sample was secured to a rigid mock wall structure and impacted at its center (99.2 lb impactor per Appendix X.1 of ASTM F 476) starting at a height of 2" (16.54 ft·lb) with subsequent impacts incremented 1" (8.27 ft·lb) higher until a failure occurred. Failure was defined as non-serviceability of the product or indentation greater than 3/8". A summary of the evaluations is listed below.

Result	Acrovyn® 4000 0.040"	Acrovyn® 4000 0.060"	Competitor 0.040"
<b>Failure Height</b>	6"	8"	5"
<b>Failure Type</b>	>3/8"	>3/8"	>3/8"

Full details of these tests are available in reports 98909.04-106-47 and 98909.05-106-47. If you have any questions regarding this test summary, please feel free to contact me at your convenience.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Todd D. Burroughs

Todd D. Burroughs  
 Senior Project Engineer - Components / Materials Testing

TDB:tdb/nlb  
 cc: 98909.04, 98909.05