

**| Acrovyn by Design® Stain Resistance and Cleanability**



February 25, 2014

Mr. Tom Gay  
 Construction Specialties, Inc.  
 347 Broad Street  
 Hughesville, Pennsylvania 17737

**RE: STAIN RESISTANCE AND CLEANABILITY TEST SUMMARY**

Dear Mr. Gay:

Architectural Testing, Inc. was contracted by Construction Specialties, Inc. to witness cleanability of their standard reverse print Acrovyn by Design product. Testing was performed at Construction Specialties, Inc.'s facility in Montgomery, Pennsylvania under a modified version of ASTM D 6578, *Standard Practice for Determination of Graffiti Resistance*. Samples of the products were stained by twenty one various compounds for seven days and subsequently cleaned using a lateral motion cleaning device, Mr. Clean® Magic Erase™ scrubbing pad, and denatured alcohol. The cleanability of the product was rated based on the number of cycles required to remove the stain, up to a total of 100 passes, under visual observation. At the conclusion of each 10 pass, the cleanability was rated for each stain using a "1" where the stain was removed by the tenth pass; "2" for twenty passes, continuing in this manner until 100 passes were completed. If the stain was not removed by the end of the 100 passes, the stain was rated "11".

**Acrovyn by Design - Cleaning Rating - 1 Week Exposure**

Staining Agent	Rating
Pencil	11
Ballpoint pen - Black	2
Dry erase marker - Black	1
Permanent marker - Black	1
Crayon - Green	11
Lipstick - Red	1
Rit® Liquid Dye - Blue	2
Shoe polish - Brown	11
Iodine	1
Betadine	1
Mustard	11

Staining Agent	Rating
Ketchup	11
Chocolate syrup	11
Vegetable oil	1
Coffee	1
Red wine	1
Soda	1
Bleach	1
Merthiolate	1
Spray Paint - Burgundy	1
Rubber scuff mark	1

Full details of these tests are available in report D2227.03-106-47. 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