

**| Acrovyn® 4000 Chemical Resistance Testing**



September 9, 2010

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

**RE: CHEMICAL RESISTANCE TEST SUMMARY**

Dear Mr. Hamm:

Construction Specialties, Inc. contracted Architectural Testing, Inc., an independent test laboratory, to conduct testing of their New Acrovyn® 4000 product at the Milton, Pennsylvania facility. Testing was performed in accordance with ASTM D 543, *Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents*. The New Acrovyn® 4000 product resisted the following chemicals as noted in the following table.

**Changes After 1-Week Exposure at Room Temperature**

Chemical	Visual Observations	Chemical	Visual Observations
Acetic Acid 5%	No Change	Nitric Acid	No Change
Acetone	Dulled Appearance, Rounded Edges	Sodium Carbonate 20%	No Change
Ammonium Hydroxide 10%	No Change	Sodium Chloride 10%	No Change
Citric Acid	No Change	Sodium Hydroxide 10%	Dulled Appearance
Carbon Tetrachloride	Dulled Appearance, Rounded Edges	Sulfuric Acid 30%	No Change
Ethyl Acetate	Dulled Appearance, Rounded Edges	Aviation Gas Grade 80/87	No Change
Ethyl Alcohol 95%	No Change	Clorox	No Change
Hydrochloric Acid 10%	No Change	Denatured Alcohol	No Change
Hydrofluoric Acid 40%	Darkened, Yellowed	Bravo Cleaner	Dulled Appearance
Peroxide	No Change		

Full details of these tests are available in report 92745.04-106-47. 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 - Component/Materials Testing

TDB:tdb/nlb  
 cc: 92745.04