

| Acrovyn® 4000 Bacterial Resistance Testing



August 5, 2010
Revised: 05/29/14

Mr. Dana Gardner
Construction Specialties, Inc.
347 South Broad Street
Hughesville, Pennsylvania 17737

RE: NEW ACROVYN® 4000 BACTERIA TEST SUMMARY

Dear Mr. Gardner:

Construction Specialties, Inc. contracted Architectural Testing, Inc., an independent test laboratory, to evaluate their New Acrovyn® 4000 product for resistance to bacteria in accordance with ASTM G 22-76(1996), *Standard Practice for Determining Resistance of Plastics to Bacteria* (Withdrawn from active status 2002). The New Acrovyn® 4000 samples resisted growth of the *Pseudomonas Aeruginosa* bacterium culture.

Each sample measured nominally 0.075" thick by 2" square. The material tested was beige in color.

All curing, conditioning and testing were performed at standard laboratory conditions. The test specimens were placed on Nutrient Agar and inoculated with a suspension containing *Pseudomonas Aeruginosa* (ATCC No. 13388). The test specimens were incubated (incubator ICN 004921) at 37°C and not less than 85% relative humidity for a period of 21 days and then observed under 40x magnification for their ability to support growth. The rating for this method is growth or no growth. The New Acrovyn® 4000 sample demonstrated No Growth where it protected the food source and growth where the food source was open.

Full details of these tests are available in report 92745.03-106-31. If you have any questions regarding this test summary, please feel free to contact me at your convenience.

For ARCHITECTURAL TESTING, INC.

A handwritten signature in black ink that reads "Todd D. Burroughs". The signature is written in a cursive style. To the left of the signature is a small, light gray graphic element consisting of a triangle and a swoosh, similar to the Architectural Testing logo.

Digitally Signed by: Todd D. Burroughs

Todd D. Burroughs
Components / Materials Testing

TDB:tdb/nlh
cc: 92745.03