

| Acrovyn by Design® Fungal Resistance Test



January 7, 2014

Mr. Tom Gay
Product Development Engineer
Construction Specialties, Inc.
193 Miller Avenue
Montgomery, PA 17752

RE: Acrovyn By Design Reverse Print Fungal Test Summary

Dear Mr. Gay,

Construction Specialties, Inc. contracted Biosan Laboratories, Inc., an independent test laboratory, to evaluate their Acrovyn By Design Reverse Print product for resistance to fungi in accordance with ASTM G21-13, *Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi*. The Acrovyn By Design Reverse Print samples resisted growth of the fungal inoculum containing spores from *Aspergillus niger*, *Penicillium pinophilum*, *Chaetomium globosum*, *Gliocladium virens*, and *Aureobasidium pullulans*.

Each sample measured nominally 0.040" thick by 2" square.

All curing, conditioning and testing were performed at standard laboratory conditions. The test specimens were placed in Nutrient Salts Agar inoculated with a suspension of mixed fungal spores. The test specimens were incubated at 30°C and not less than 85% relative humidity for a period of 28 days. The samples were observed for their ability to support fungal growth and rated on a scale of 0 (no growth) to 4 (heavy growth). The Acrovyn By Design Reverse Print samples demonstrated No Fungal Growth in the ASTM G21-13, *Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi* test method.

Full details of these tests are available in the report issued December 27, 2013. If you have any questions regarding this test summary, please feel free to contact Biosan Laboratories, Inc. at your convenience.

A handwritten signature in cursive script that reads "Erica B. Rossmore".

Erica B. Rossmore
Microbiology Supervisor
Biosan Laboratories, Inc.