

| Acrovyn® 4000 Taber Abrasion Testing (Shadowgrain Texture)



September 16, 2010

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

RE: TABER ABRASION RESISTANCE TEST SUMMARY - SHADOWGRAIN TEXTURE

Dear Mr. Hamm:

Construction Specialties, Inc. contracted Architectural Testing, Inc., an independent test laboratory, to witness testing of their New Acrovyn® 4000 products at the Milton, Pennsylvania facility. Testing was performed in accordance with ASTM D 4060-07, *Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser*. The standard New Acrovyn® 4000 product required 16,000 cycles to fully deplete the Shadowgrain surface. The New Acrovyn® 4000 Chameleon product required 18,000 cycles to fully deplete the Shadowgrain surface. A Taber Abraser Machine applied a constant downward force of 1,000 grams to each of two Calibrase CS-10 Taber Industries abrasive wheels, while the instrument recorded the number of wear cycles completed by the sample as it rotated below the wheels. Each sample was evaluated after 1,000 cycles of abrasion for texture wear-down. Between each 1,000 cycles, the wheels were resurfaced on standard abrasion resurfacing sheets for 25 cycles. At the conclusion of 16,000 and 18,000 cycles, respectively, the samples were rated by visual determination to be without surface texture in the abrasion path. Weights were not determined for this procedure.

Sample	Wear Cycles to Fully Deplete Shadowgrain
New Acrovyn® 4000	16,000
New Acrovyn® 4000 Chameleon	18,000

Full details of these tests are available in reports 95144.02-106-47 and A3416.01-106-31. 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: 95144.02, A3416.01-106-31