



March 1, 2023

Email: mmoore@amcoatind.com

Mike Moore
Amcoat Industrial Inc.
4012 Commons Drive
Unit 116
Destin, FL 32541

SUBJECT: Wind Driven Rain Results; KTA-Tator, Inc. Project No. 66074988-R1

Dear Mr. Moore:

In accordance with the authorization from David Miller of DRM Consulting and the prepayment, KTA-Tator, Inc. (KTA), KTA has completed the testing for wind driven rain. This revised report contains descriptions of the testing procedures employed and the results of the testing.

SAMPLE

Sample KTA-1 consisted of one quart can of liquid coating and is labeled, "Amcoat Industries, Inc, DFC Matte white base" was received from DRM Consulting on January 18, 2023. Sample KTA-1 was clarified as product "Rhino Shield Durable Finish Coat" by DRM. It should be noted that at no time did KTA personnel witness the acquisition or preparation of the sample.

LABORATORY INVESTIGATION

The laboratory investigation consisted of sample preparation followed by testing of wind driven rain. The test descriptions and the results of the testing are provided below.

Wind Driven Rain Resistance

One coat of Sample KTA-1 was applied by roller brush at the recommended thickness of 15 mils wet to two 8" x 16" x 2" concrete panels. A second coat of KTA-1 was applied after approximately 24 hrs dry time between coats and allowed to cure for 7 days at laboratory conditions, $70 \pm 5^{\circ}\text{F}$ and $50 \pm 5\%$ relative humidity. The prepared concrete panels were tested for wind driven rain resistance in accordance with ASTM D6904-03(22) "Standard Practice for Resistance to Wind-Driven Rain for Exterior Coatings Applied to Masonry". The painted concrete panels were attached to a wind driven rain test chamber, exposed for 24 hours of continuous water spray and air pressure. The test chamber sprayed a water flow rate of 60 – 70 gallons per minute by way of a fish-tail nozzle that sprayed water onto the entire test panel surface. The internal air pressure was 5 inches Hg. During the testing, the concrete panels were monitored for water

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penetration by viewing the back of the test panels. Once the testing was completed, the test panels were evaluated for any notable visual differences such as blistering. The weight of the coated panels was measured before and after exposure to the wind driven rain test chamber. One of the exposed panels had a few tiny blisters, while the second panel did not show any blisters. The weight gain was 0.51 and 0.28 lbs for the two panels. The average percent weight gain of the exposed panels was 0.40%. Sample KTA-1 meet the criteria of the ASTM method of not showing any visible water leaks during the testing on the concrete panels.

If you have any questions concerning the testing or this report, please contact me by telephone at 412.746.4262, or by email at jglover@kta.com.

Sincerely,

KTA-TATOR, INC.


Julie A. Glover
Chemist

cc: David Miller dave@drmconsulting.net

R1 – A revision was issued to include a statement that the sample meet the criteria of the ASTM method of not showing any visible water leaks during the testing on the concrete panels.

JAG/RBL:jef

NOTICE: This report represents the opinion of KTA-TATOR, INC. Laboratory activities were performed at our Pittsburgh, PA facility. This report is issued in conformance with generally accepted industry practices. While customary precautions were taken to verify the information gathered and presented is accurate, complete, and technically correct, this report is based on the information, data, time, materials, and/or samples afforded. Results relate only to the items tested. This report should not be reproduced except in full.