



April 16, 2019

Project No: 1901319WLC

Graphics 2000 Inc
1320 F Ave NE
Cedar Rapids, Iowa 52402

RE: World's Strongest Concrete Sealer
Water Absorption of Hardened Concrete
ASTM D 6489

Dear Mr. Sanchez,

As per your request, CMT has completed research testing with regards to the above referenced method. CMT created two concrete samples, a baseline and a sample treated with your product. This mix design was similar to the IDOT C4 mixes, with 474 lbs cement, 119 lbs fly ash class c, and a 50/50 blend of coarse to fine aggregate. Refer to the enclosed mix design for exact quantities. CMT created 4 x 8 cylinder specimens for this test, a baseline and one treated sample. The treated sample was topically treated with the product. The sample was cured for the initial 24 hr in the molds, then de-molded and topically treated. The topical treatment was allowed to cure on the specimen for 24 hrs prior to further testing. The remaining surface area is then sealed with a non-absorbent wax, so that the only possible absorption would occur through the face of the cylinder. The exposed face is submerged in water for 48 hrs. Listed below are the results of the test. It should be noted these results are the average of three specimens per treatment.

Timeframe, hrs	Baseline Sample	Treated Sample
Initial Weight, gm	1926.2	1927.4
24 hr Weight, gm	1934.8	1928.1
48 hr Weight, gm	1935.2	1928.2
Percent Absorption, % At 24 hrs	0.446	0.036
Percent Absorption, % At 48 hrs	0.467	0.041

Based on the above test results, the treated sample reduced absorption by more than 99% after 48 hours. Tests were conducted in general accordance with ASTM test methods and procedures noted. Please feel free to call should you have questions or if we may be of further assistance.

Sincerely,

Doug Clement
President/CEO

Sybil K. Ferrier, P.E.
Principal Engineer

DC/SF