



December 28, 2002

Mr. Radi Al-Rashed
Chem Crete
800 Security Row
Richardson, Texas 75081

Subject: **Resistance of Concrete to Chloride Ion Penetration
Chem Crete PaviX CCC 100
LAW Project No. 70241-2-0114.**.831**

Dear Mr. Al-Rashed:

At the request International Chem Crete, Law Engineering and Environmental Services, Inc. (LAW) has completed testing for Resistance of Concrete to Chloride Ion Penetration on Chem Crete PaviX CCC 100 coated and control test samples. This report presents the testing procedures and test results.

LAW obtained fresh concrete by sampling a local (Maricopa County, Arizona) 6 sack, no-flyash mix and producing concrete slabs approximately 6" thick. The concrete had a slump of 5.5 inches and an approximate water/cement ratio of 0.58. Type II cement, Salt River aggregates, W. R. Grace WRDA 64 and Daravair were the constituents. The entrained air content was 4.2%.

The two slabs were moist cured for 28 days, and then laboratory air cured for an additional 28 days. Chem Crete PaviX CCC 100 was then applied to one slab at a rate of 1 gallon/150 sq. ft. The two slabs were additionally cured in laboratory air for 14 days. Following the lab air curing each slab was repeatedly placed in moist cure (surface only) and then laboratory air on one week intervals for a total of eight weeks (4 moist, 4 lab air). Each slab was then tested per AASHTO T 259-00 "Resistance of Concrete to Chloride Ion Penetration". The Chloride Ion content in the concrete was determined in accordance with AASHTO T 260-97. The following table summarizes result:

Sample	Control	Treated with PaviX CCC 100
Average Chloride Ion Content at 1/2"	0.456	0.259
Average Chloride Ion Content at 1"	0.232	0.129

The above test result would appear to indicate that the use of Chem Crete PaviX CCC 100 does not increase the internal Chloride Ion content of the concrete.

LAW appreciates the opportunity of working with you. Please contact us if you have any questions.


Sincerely,

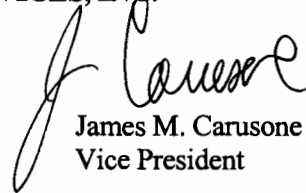
LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.



Sam Huddleston

Bituminous Laboratory Manager

by  with permission



James M. Carusone

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SH:JMC:mam

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