



Construction Technology Laboratories, Inc.

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December 18, 2001

Mr. Shawn Carney
United Coatings
E 19011 Cataldo
Greenacres, WA 99016

Via Fax
Phone: (800) 926-7990
Fax: (509) 928-1116

**NCHRP Report 244-Series IV, Southern Exposure Testing of One
Product Identified as "Canyon Tone Clear"
CTL Project No: 402107**

Dear Mr. Carney:

Attached are final test results for the referenced product. The product are arrived at CTL on November 9, 1999.

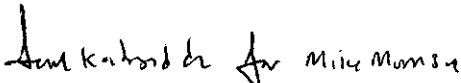
Testing of the product was performed in accordance with NCHRP Report 244-Series IV, Southern Exposure (non-reinforced). As requested, the Canyon Tone Clear product was applied at the specified application rate of 125 ft²/gallon. The concrete mix design and fresh concrete properties are attached.

Upon completion of the test, no deterioration or discoloration of the test specimens treated with the referenced product was observed. Total chloride determinations and chloride reductions are presented in the attached tables. Test results indicate specimens treated with the referenced product had an average reduction in chloride ion penetration of 91% as compared to untreated control specimens.

The NCHRP Report 244-Series IV test results for the referenced product compare similarly to the NCHRP Report 244-Series II test results for the same product.

Thank you for choosing CTL for your testing needs. Should you have any questions, please contact me.

Very truly yours,
CONSTRUCTION TECHNOLOGY LABORATORIES, INC.


Michael Morrison
Sr. Materials Technologist
Materials Testing & Analysis

Attachments

Client: United Coatings

Project: NCHRP 244 - Series IV Testing of a Product

Identified as "Canyon Tone Clear"

Submitter: R. Mangio

Contact: Mr. Shawn Carney

CTL Proj. No.: 402107

CTL Proj. Mgr.: M. Morrison

Technician: T. Fries

Approved: M. Morrison

Date: August 9, 2000

**Total Chloride Ion Contents After NCHRP Report 244, Series IV
Southern Exposure, 24 Week Accelerated Weathering Test**

Specimen Identification	Sample Number	Total Chloride Ion Content % by Weight of Concrete (I)	Reduction in Chloride Ion Content, %
Uncoated	A	0.710	--
Control Specimens	B	0.586	--
<hr/>			
Canyon Tone Clear*	A	0.052	92
at 20% Dilution	B	0.069	89

Notes:

I. Corrected for average baseline chloride content of 0.004.

* Canyon Tone Clear was applied at the specified application rate of 125 ft²/gallon.



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Project: NCHRP Report 244, Series IV Testing
of "Canyon Tone Clear"
Contact: Mr. Shawn Carney
Submitter: R. Mangio

CTL Proj. No.: 402107
CTL Proj. Mgr.: M. Morrison
Technician: Concrete Lab
Approved: M. Morrison
Date: August 9, 2000

**Mix Design and Fresh Concrete Properties of Concrete Used to
Fabricate Specimens for NCHRP Report 244 - Series IV Testing**

<u>Material</u>	<u>Quantity</u>
Type I Portland Cement, CTL Lot No. 22930, pcy	450
Elgin Sand, pcy	1366
Eau Claire Coarse Aggregate, pcy	1864
Water, pcy	237

<u>Properties</u>	<u>Parameters</u>
Slump, in.	3.5
Air Content, %	5.5
Unit Weight, pcf	145.2