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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 II Test Results of a Product  
Identified as "Canyon Tone Clear"

Dear Mr. Carney:

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

Testing of the product was performed in accordance with NCHRP Report 244-Series II. As requested, the product was applied at the specified application rate of 125 ft<sup>2</sup>/gal. Test results indicate specimens treated with the referenced product realized a reduction in chloride ion penetration of 70 to 89% as compared to untreated control specimens.

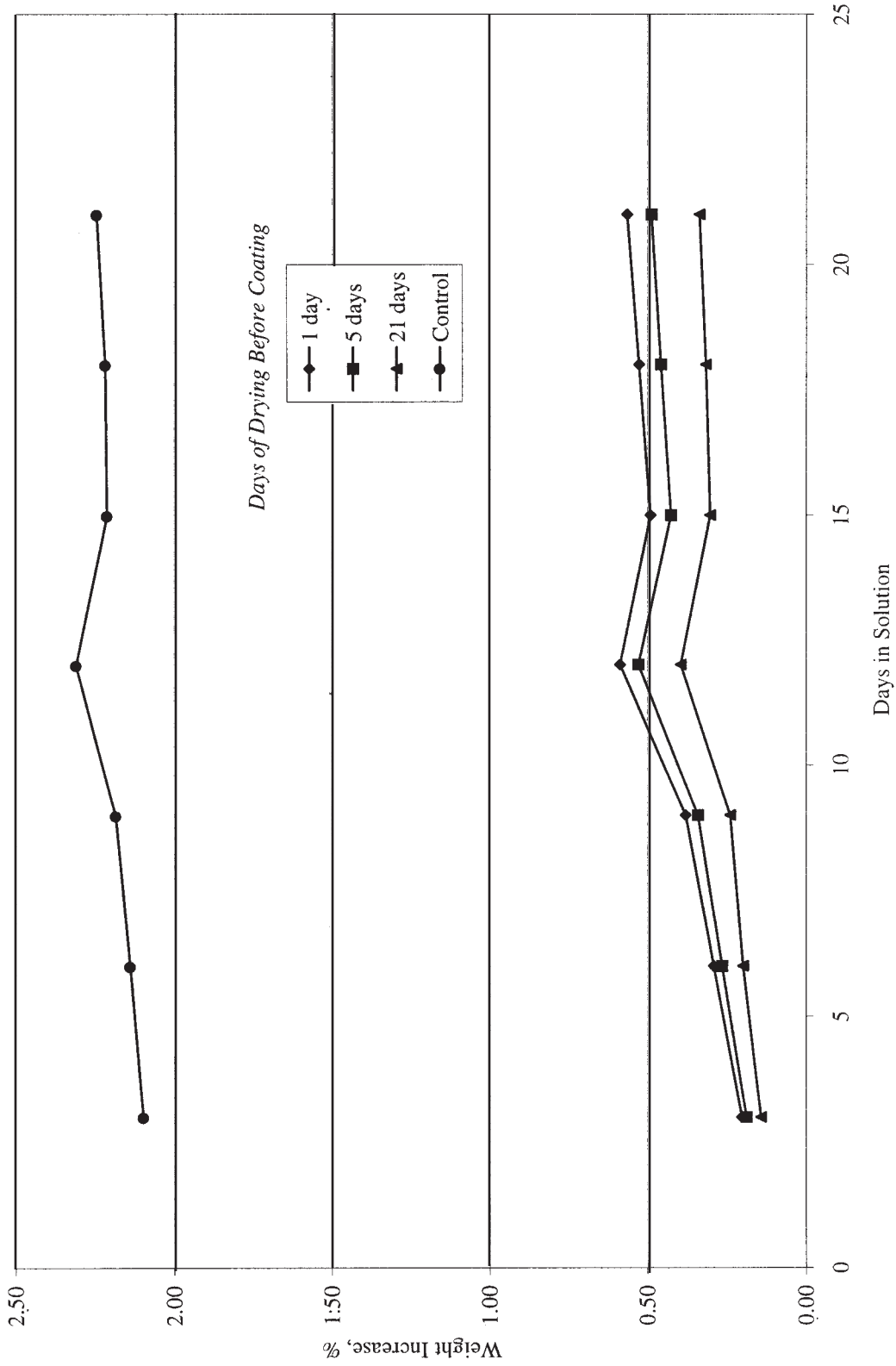
Should you have any questions, please contact me. Thank you for choosing CTL for your testing needs.

Very truly yours,  
CONSTRUCTION TECHNOLOGY LABORATORIES, INC.

Michael Morrison  
Materials Technologist, Supervisor  
Materials testing & Analysis

Attachments

Testing of Canyon Tone Clear Applied at 125 ft<sup>2</sup>/gal - in Accordance with  
 NCHRP Report 244 -Series II, % Absorption During Immersion in 15% NaCL Solution



CTL Project No.: 402107

Client: United Coatings

CTL Proj. No.: 402107

Proj.: NCHRP 244 - Series II Testing of One Sealer Identified as

CTL Proj. Mgr.: W. Morrison

"Canyon Tone Clear" At Application Rate of 125 ft<sup>2</sup>/gal

Technician: J. DiJohn

Submitter: R. Mangio

Approved: H. Kanare

Contact: Mr. Shawn Carney

Date: December 19, 2001

SUMMARY OF FINAL WEIGHT GAIN AND TOTAL CHLORIDE CONTENT(1)

Sealer Identification	Days of Drying Before Coating	Final Weight Gain		Total Chloride Ion Content % by Weight of Concrete(2)	Reduction in Chloride Ion Content, %	
		% by Weight	% of Control		Ion Content, %	Reduction in Chloride Ion Content, %
<i>Canyon-Tone-Clear</i>	1 day	0.56	25	0.075	70	
	5 days	0.49	22	0.048	81	
	21 days	0.34	15	0.026	89	
<i>Control</i>	(3)	2.25	100	0.247	--	
<i>Air Dry</i>	(4)	-0.06	--	0.006	--	

Notes:

1. Data represents average of two specimens.
2. Corrected for baseline chloride content of 0.006.
3. Uncoated specimens subjected to 21 days in 15% NaCl, then 21 days air drying.
4. Uncoated samples in continuous air dry.

Client: United Coatings  
 Proj.: NCHRP 244 - Series II Testing of One Sealer Identified as  
 "Canyon Tone Clear" At Application Rate of 125 ft<sup>2</sup>/gal  
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CTL Proj. No.: 402107  
 CTL Proj. Mgr.: M. Morrison  
 Technician: J. DiJohn  
 Approved: H. Kanare  
 Date: December 19, 2001

<u>AVERAGE WEIGHT CHANGE DURING SOAKING AND DRYING PERIODS (1)</u>															
Sealer Identification	Days of Drying Before Coating	% Absorption During Immersion in 15% NaCl Solution at Days Indicated						% Weight Loss During Days of Drying After 21 Days of Immersion in 15% NaCl Solution							
		3	6	9	12	15	18	21	3	6	9	12	15	18	21
<i>Canyon Tone Clear</i>	1 day	0.20	0.29	0.38	0.59	0.49	0.53	0.56	0.29	0.33	0.37	0.40	0.42	0.43	0.44
	5 days	0.19	0.26	0.34	0.53	0.43	0.46	0.49	0.26	0.29	0.33	0.37	0.37	0.39	0.40
	21 days	0.14	0.20	0.24	0.40	0.30	0.32	0.34	0.21	0.24	0.27	0.30	0.31	0.33	0.34
<i>Control</i>		2.10	2.14	2.18	2.31	2.21	2.22	2.25	0.55	0.73	0.91	1.05	1.14	1.21	1.26
<i>Air Dry</i>	(3)	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.06	-0.08	-0.09	-0.09	-0.11	-0.12	-0.12	-0.13

Notes:

1. Data represent average of two specimens.
2. Uncoated specimens subjected to 21 days in 15% NaCl, then 21 days air drying.
3. Uncoated specimens in continuous air dry.