

Twining Laboratories of Southern California, Inc.

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May 15, 1998

REF # 98-9-000638

CTS CEMENT MANUFACTURING CO.
ATTN.: **MR. EDWARD RUBIN**
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SUBJECT:

One bag of plastic cement was picked up by TLSC representative at Blue Daisy plant on March 31, 1998. Lot number as identified on the bag 20003208.

SCOPE:

To perform testing of the plastic cement for compliance with the requirements of UBC Standard 25-1 (1997 UBC):

Section 25.106	Fineness as determined from the residue on the No. 325 sieve.
Section 25.107	Normal consistency by Vicat Apparatus.
Section 25.108	Autoclave expansion.
Section 25.109	Time of setting by Gillmore needle method.
Section 25.110	Density using kerosene as a liquid.
Section 25.114	Air entrainment by determining mass of 400 ml of mortar.
Section 25.115	Compressive strength.
Section 25.116	Water retention.

RESULTS:

Physical Requirement	Test Data	Specification of UBC 25-1
Fineness, residue on the No. 325 sieve, %	1.23	24 max.
Soundness, autoclave expansion, %	-0.061	1.0 max.
Time of setting, Gillmore method		
Initial set, hour:min	1:30	1:30 min.
Final set, hour	2:10	24 max
Compressive Strength		
7 days, psi	3477	1800 min.
28 days, psi	4300	2900 min.

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Air content of mortar, %	(*)	17.3	8 min. 20 max.
Water retention, %		91	70 min.

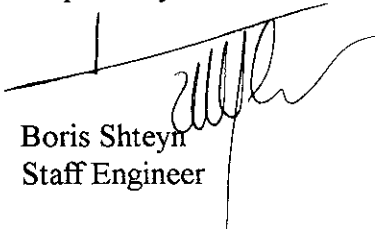
Note: (*) Density of the plastic cement is determined to be 2.95.

COMMENTS:

The Rapid Set Plastic Cement as tested complies with UBC Standard 25-1.


SUBMITTED BY: **TWINING LABORATORIES** of *Southern California, Inc.*

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M98-019

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