

DEPARTMENT OF MATERIALS CHEMISTRY  
Inorganic Building Materials Section

Cementitious Materials Laboratory  
Report No. CML 342-75-1b

D.R. Renton  
November 13, 1975

EVALUATION OF EVERCRETE

for

Evercrete International  
P.O. Box 72795  
Las Vegas, Nevada 89170  
U.S.A.

THE ONTARIO RESEARCH FOUNDATION, STIPULATE THAT THIS DOCUMENT IS SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS.

1. ANY PROPOSAL CONTAINED HEREIN WAS PREPARED FOR THE CONSIDERATION OF THE ADDRESSEE ONLY. ITS CONTENTS MAY NOT BE USED BY NOR DISCLOSED TO ANY OTHER PARTY WITHOUT OUR PRIOR WRITTEN CONSENT.
2. ANY TESTING, INSPECTION OR INVESTIGATION PERFORMED BY US WILL BE CONDUCTED IN ACCORDANCE WITH NORMAL PROFESSIONAL STANDARDS. NEITHER WE NOR OUR EMPLOYEES SHALL BE RESPONSIBLE FOR ANY LOSS OR DAMAGE RESULTING DIRECTLY OR INDIRECTLY FROM ANY DEFAULT, ERROR OR OMISSION.
3. ANY REPORT, PROPOSAL OR QUOTATION PREPARED BY US REFERS ONLY TO THE PARTICULAR MATERIAL, INSTRUMENT OR OTHER SUBJECT REFERRED TO IN IT. NO REPRESENTATION IS MADE THAT SIMILAR ARTICLES WILL BE OF LIKE QUALITY.
4. NO REPORT ISSUED BY US SHALL BE PUBLISHED IN WHOLE OR IN PART WITHOUT OUR PRIOR WRITTEN CONSENT.
5. OUR NAME SHALL NOT BE USED IN ANY WAY IN CONNECTION WITH THE SALE, OFFER OR ADVERTISEMENT OF ANY ARTICLE, PROCESS OR SERVICE.
6. WE RESERVE THE RIGHT NOT TO COMMENCE AND OR CONTINUE ANY WORK UNTIL PAYMENT ARRANGEMENTS SATISFACTORY TO US ARE ESTABLISHED.

## **1. MATERIALS AND TESTING**

A laboratory evaluation has been made of "Evercrete", a liquid product for use on concrete and masonry, with regard to the following characteristics:

1. Water absorption - 24 hour submersion, 5 hour boiling  
ASTM C-67 Section 13
2. Suction - ASTM C-67 Section 25
3. Freeze-thaw resistance - ASTM C-666
4. Artificial weathering - ASTM G23-69 & ASTM E42-65
5. Efflorescence - ASTM C-67 Section 29
6. Stain resistance - ORF Method
8. Dusting resistance - ORF Method
9. Resistance to salt attack - ASTM C-666 using sodium chloride, 5% solution.

For the purpose of this evaluation, the Evercrete was applied (using two applications at the coverage rate of 150 sq.ft./American gallon) to poured concrete as found in patio stone slabs. These Evercrete-treated specimens were compared to untreated concrete of identical composition. After the application of Evercrete, the specimens were stored at 50% RH, 20°C for six weeks prior to testing.

## 2.8 Dusting Resistance

A rotating wire brush (revolving at a constant speed and loaded with a specified weight) was lowered into position onto the surface of (1) untreated concrete and (2) Evercrete-treated concrete. After a 10 minute abrading period, the concrete panels were weighed to determine the weight loss due to dusting, with the following results:

Specimen	Test #	Weight Loss due to Dusting (g)	
Untreated concrete	1		0.068
	2		<u>0.066</u>
		Average	0.067 g
Evercrete- Treated Concrete	1		0.032
	2		<u>0.037</u>
		Average	0.035 g