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19 November 1991

**Committee D01 on Paint and Related Coatings, Materials, and
Applications
Subcommittee D01.47 on Concrete, Stone and Masonry Treatments**

Research Report D01-1028

**Interlaboratory Study to Establish Precision Statements for ASTM
D5095, Test for Determination of Nonvolatile Content of Silanes,
Siloxanes, and Silane-Siloxane Blends Used in Masonry Water
Repellent Treatments**

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November 11, 1991

Ms. Dolores Collier
ASTM
1916 Race Street
Philadelphia, PA 19103-1187

Dear Ms. Collier:

for I am the steward of ASTM D 5095-90, Standard Test Method of Determination of the Nonvolatile Content of Silanes, Siloxanes and Silane-Siloxane Blends Used in Masonry Water Repellent Treatments. I was informed by Scott Orthey of ASTM that I have not submitted the results from our round-robin testing and precision and bias statements for inclusion in a Research Report.

I have enclosed the above mentioned materials in this package. If you require any further information, please advise me at your earliest convenience.

Sincerely,

Thomas J. Sliva
Assistant Technical
Director

DOL. 47

Task Group No. D.01.47.03
Round Robin No. 3
Date June 27, 1989
T.G.Chairman Thomas J. Sliva

DETERMINATION OF ACTIVE SOLIDS CONTENT IN
SILANES AND SILANE\SILOXANE BLENDS IN MASONRY
WATER REPELLENT COATINGS
REPEATABILITY TESTS

COOP --	<u>Lab 1</u>	<u>Lab 2</u>	<u>Lab 3</u>	<u>Lab 4</u>	<u>Lab 5</u>
1. Silane A - Waterborne					
Initial Test					
13.35	14.85	13.86	14.84	13.63	
13.35	14.72	13.90	14.76	13.72	
15.18	13.85	14.44	14.84	13.68	
Repeat Test					
13.96	14.47	14.07	14.51	13.54	
14.05	13.72	13.56	14.32	13.59	
13.86		13.90	13.89	13.48	
2. Silane B - Solvent					
Initial Test					
65.34	64.77	63.08	65.28	63.43	
64.35	64.74	65.02	65.37	63.36	
64.39	64.50	64.64	65.28	63.06	
Repeat Test					
64.36	64.35	64.25	65.31	62.16	
64.07	65.34	64.88	65.11	62.13	
64.11		64.33	64.89	63.15	
3. Silane C - Waterborne					
Initial Test					
27.35	27.93	27.38	28.41	26.61	
28.35	27.87	29.33	28.49	27.26	
29.04	27.83	27.51	28.32	27.22	
Repeat Test					
28.71	29.99	28.22	28.88	26.59	
27.88	30.99	29.11	28.77	26.61	
28.31		28.32	29.04	27.17	
4. Silane D - Solvent					
Initial Test					
63.35	65.28	63.86	65.38	63.69	
65.02	65.04	63.22	65.43	63.75	
62.71	65.00	63.32	65.55	63.83	
Repeat Test					
64.77	71.28	64.88	64.99	63.08	
65.02	70.99	65.42	66.03	63.44	
64.88		65.13	65.66	63.17	