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CEMENT LABORATORY-S. P. S.

TESTS OF SILICA PORTLAND CEMENT (1:1).

" Ensign Brand."

Residue on sieve No. 100-0.08%. Residue on sieve No. 200-1.003%. Hot test-Perfect and sound. Specific gravity-3.077.

TENSILE STRENGTH.

A.-Neat.

B.—One part of Silica Cement and one part sand between sieves No. 50 and 75.

C.—One part Silica Cement, one part sand beween sieves No. 50 and 75, and four parts of standard stand, or one part of B to two parts of standard sand, *i.e.*, one part of cement to eleven parts of sand.

Tensile Strength.

	AT 7 DAYS.	AT 14 DAYS.	AT 30 DAYS.	AT 90 DAYS
,	435	530	535	590
	450	555	550	600
d	460	585	550	620
	470		570	635
	470		585	
Average	457	555	558	611
B	180	235	290	355
	190	250	295	365
	200	250	310	365
	226	270	350	405
		270		425
Average	100	255	311	385
(55	70	125	145
	55	75	140	155
<i>C</i>	60	80	150	155
<i>c</i>	60	95	155	170
	65	95		175
Average		83	142.5	160

J. S. KORMANN.

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