

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 between sieves No. 50 and 75, and four parts of standard sand, 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.
A.....	435	530	535	590
	450	555	550	600
	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	199	255	311	385
C.....	55	70	125	145
	55	75	140	155
	60	80	150	155
	60	95	155	170
	65	95	....	175
Average	59	83	142.5	160

J. S. KORMANN.