

7. Compressive Strength Testing (ASTM C170)

Table 7.1: Average Test Results

Orientation	Condition	Average strength	Standard deviation
		(psi)	(psi)
Load perpendicular	Dry	17200	1600
Load perpendicular	Wet	14500	2460
Load parallel	Dry	15800	1960
Load parallel	Wet	16400	1820

Table 7.2: Individual Test Results

Specimen ID	Orientation	Condition	Area	Load	Compressive Strength
			(in. ²)	(lbf)	(psi)
CE01	Load perpendicular	Dry	3.98	63940	16100
CE02			4.17	79020	18900
CE03			4.16	68180	16400
CE04			3.99	75960	19000
CE05			3.99	63110	15800
CE06		Wet	3.95	69220	17500
CE07			4.01	65120	16300
CE08			3.97	56860	14300
CE09			4.14	48070	11600
CE10			3.97	50110	12600
CA01	Load parallel	Dry	3.99	75460	18900
CA02			4.01	60680	15100
CA03			3.99	55130	13800
CA04			4.01	59566	14800
CA05			3.99	65830	16500
CA06		Wet	3.94	70080	17800
CA07			3.91	70140	17900
CA08			3.98	55690	14000
CA09			3.98	69150	17400
CA10			4.05	60420	14900