Standard Power Table No. 1

Compressive Strength (P.S.I.) (Mpa)

Exposed Probe (inches)	PSI Mohs' N0. 3	Mpa Mohs' N0. 3	PSI Mohs' N0 .4	Mpa Mohs' N0.4	PSI Mohs' N0.5	Mpa Mohs' N0.5	PSI Mohs' N0.6	Mpa Mohs' N0.6	PSI Mohs' N0.7	Mpa Mohs' N0.7
1.275	-	-	-	-	-	-	-	-	-	-
1.3	-	-	-	-	-	-	-	-	-	-
1.325	-	-	-	-	-	-	-	-	-	-
1.35	-	-	-	-	-	-	-	-	-	-
1.375	-	-	-	-	-	-	-	-	-	-
1.4	3000	20.6	-	-	-	-	-	-	-	-
1.425	3175	21.9	-	-	-	-	-	-	-	-
1.45	3325	22.9	-	-	-	-	-	-	-	-
1.475	3500	24.1	-	-	-	-	-	-	-	-
1.5	3675	25.3	3000	20.6	-	-	-	-	-	-
1.525	3825	26.3	3175	21.9	-	-	-	-	-	-
1.55	4000	27.5	3350	23.1	-	-	-	-	-	-
1.575	4175	28.8	3525	24.3	-	-	-	-	-	-
1.6	4325	29.8	3700	25.5	3050	21.0	-	-	-	-
1.625	4500	31.0	3875	26.7	3225	22.2	-	-	-	-
1.65	4675	32.2	4050	27.9	3400	23.4	-	-	-	-
1.675	4825	33.2	4225	29.1	3600	24.8	-	-	-	-
1.7	5000	34.4	4400	30.3	3775	26.0	3000	20.6	-	-
1.725	5175	35.7	4575	31.5	3950	27.2	3200	22.0	-	-
1.75	5325	36.7	4750	32.7	4150	28.6	3400	23.4	-	-
1.775	5500	37.9	4925	33.9	4325	29.8	3600	24.8	-	-
1.8	5675	39.1	5100	35.1	4500	31.0	3800	26.2	3000	20.6
1.825	5825	40.1	5275	36.3	4700	32.4	4000	27.5	3225	22.2
1.85	6000	41.3	5450	37.5	4875	33.6	4200	28.9	3425	23.6
1.875	6175	42.6	5625	38.8	5050	34.8	4400	30.3	3650	25.1
1.9	6325	43.6	5800	40.0	5250	36.2	4600	31.7	3875	26.7
1.925	6500	44.8	5975	41.2	5425	37.4	4800	33.1	4100	28.2
1.95	6675	46.0	6150	42.4	5600	38.6	5000	34.4	4300	29.6
1.975	6825	47.0	6325	43.6	5800	40.0	5200	35.8	4525	31.2
2	7000	48.2	6500	44.8	5975	41.2	5400	37.2	4750	32.7
2.025	7175	49.5	6675	46.0	6150	42.4	5600	38.6	4975	34.3
2.05	7325	50.5	6850	47.2	6350	43.8	5800	40.0	5175	35.7
2.075	7500	51.7	7025	48.4	6525	45.0	6000	41.3	5400	37.2
2.1	7675	52.9	7200	49.6	6700	46.2	6200	42.7	5625	38.8
2.125	7825	53.9	7375	50.8	6900	47.6	6400	44.1	5850	40.3
2.15	8000	55.1	7550	52.0	7075	48.8	6600	45.5	6050	41.7
2.175	8175	56.3	7725	53.2	7250	50.0	6800	46.9	6275	43.2
2.2	8325	57.4	7900	54.5	7450	51.3	7000	48.2	6500	44.8
2.225	8500	58.6	8075	55.7	7625	52.6	7200	49.6	6725	46.37
2.25	8675	59.8	8250	56.9	7800	53.8	7400	51.0	6925	47.7
2.275	8825	60.8	8425	58.1	7975	55.0	7600	52.4	7150	49.3
2.3	9000	62.0	8600	59.3	8175	56.3	7800	53.8	7375	50.8
2.325	9175	63.2	8775	60.5	8350	57.6	8000	55.1	7600	52.4
2.35	9325	64.3	8950	61.7	8525	58.8	8200	56.5	7800	53.8
2.375	9500	65.5	9125	62.9	8725	60.1	8400	57.9	8025	55.3
2.4	9675	66.7	9300	64.1	8900	61.4	8600	59.3	8250	56.9
2.425	9825	67.7	9475	65.3	9075	62.6	8800	60.7	8475	58.4
2.45	10000	68.9	9650	66.5	9275	63.9	9000	62.0	8675	59.8
2.475	-	-	9825	67.7	9450	65.1	9200	63.4	8900	61.4
2.5	-	-	10000	68.9	9625	66.4	9400	64.8	9125	62.9
2.525	-	-	-	-	9825	67.7	9600	66.2	9350	64.5
2.55	-	-	-	-	10000	68.9	9800	67.6	9550	65.8
2.575	-	-	-	-	-	-	10000	68.9	9775	67.4
2.6	-	-	-	-	-	-	-	-	10000	68.9

Important Instructions

This Table is used only for the *STANDARD POWER* System, operated in accordance with the manufacture Instruction Manual.

The table represents the results of calibrating the system to the velocity of the probe at the *STANDARD POWER* position.

STANDARD POWER is used for testing concrete in existing structures cured longer than 28 days.

ALWAYS change to *LOW POWER* if the Probe System, used at standard power, indicates less than 3000 psi.

This Table, No. 1, has no fixed relationship to Table No. 2. Each Table has been calibrated independent to the respective probe velocity. A point of convergence will occur in the range of 3600 psi, and vary slightly, depending on the design mix.

NOTE: If the speed (velocity) of a crushing press was changed for braking standard cylinders, a separate calibration formula for computing psi would also be required.

Always confirm the Mohs' Number of coarse aggregate with a Mineral Scratch Test or calibrate the System to standard cylinders.

For standard weight concrete (>125 lbs./cu ft.), use Silver color PPRS-01 (1/4 inch diameter probe) and read results in appropriate Mohs' column from Table No.1.

For lightweight concrete (<125 lbs./cu ft), use Gold color PRS-03 (5/16 inch diameter probe) and read results in No. 3, column from Table No. 1 or apply the appropriate correction factor shown in the L.W. Table below.

Lbs./cu/f	Correction Factor
130 to 121	100% of Mohs' 3 Column
120 to 115	84% of Mohs' 3 Column
114 or less	66% of Mohs' 3 Column

For mortar (no coarse aggregate concrete), use appropriate probe for concrete weight and read results in Mohs' No. 3 column from the Table.