

Windsor Probe Low Power Strength Table (No.2)

Metric Low Power Strength Table (Cube Correlations)					
Compressive Strength (MPa)					
Exposed Probe (mm)	Mpa Mohs' NO. 3	Mpa Mohs' NO.4	Mpa Mohs' NO.5	Mpa Mohs' NO.6	Mpa Mohs' NO.7
28.5	4.8	-	-	-	-
29.0	5.4	-	-	-	-
29.5	5.9	2.9	-	-	-
30.0	6.6	3.5	-	-	-
30.5	7.2	4.2	-	-	-
31.0	7.7	4.7	-	-	-
31.5	8.3	5.3	-	-	-
32.0	8.8	5.9	-	-	-
32.5	9.5	6.4	-	-	-
33.0	10.0	7.1	-	-	-
33.5	10.6	7.7	4.3	-	-
34.0	11.1	8.3	4.9	-	-
34.5	11.7	8.8	5.5	-	-
35.0	12.2	9.5	6.2	-	-
35.5	12.9	10.1	6.8	-	-
36.0	13.4	10.6	7.3	-	-
36.5	13.9	11.2	7.9	3.9	-
37.0	14.5	11.8	8.6	4.5	-
37.5	15.0	12.5	9.2	5.3	-
38.0	15.6	13.0	9.8	5.9	-
38.5	16.1	13.5	10.4	6.7	-
39.0	16.8	14.1	11.0	7.3	3.2
39.5	17.3	14.6	11.6	7.9	3.9
40.0	17.9	15.3	12.3	8.7	4.5
40.5	18.4	15.9	12.9	9.3	5.3
41.0	19.0	16.5	13.5	10.1	6.0
41.5	19.5	17.0	14.1	10.7	6.8
42.0	20.1	17.6	14.8	11.5	7.6
42.5	20.8	18.3	15.4	12.1	8.3
43.0	21.1	18.8	16.0	12.7	9.1
43.5	21.7	19.4	16.6	13.4	9.8
44.0	22.2	20.0	17.3	14.0	10.6
44.5	22.8	20.6	17.9	14.8	11.3
45.0	23.3	21.0	18.5	15.4	12.0
45.5	23.9	21.6	19.1	16.1	12.7
46.0	24.4	22.2	19.8	16.8	13.4
46.5	24.8	22.7	20.4	17.4	14.1
47.0	25.3	23.3	20.8	18.1	14.9
47.5	26.0	23.9	21.5	18.8	15.6
48.0	26.4	24.6	22.1	19.5	16.4
48.5	27.1	24.8	22.7	20.1	17.1
49.0	27.5	25.5	23.3	20.9	17.9
49.5	27.9	26.1	23.9	21.3	18.6
50.0	28.5	26.6	24.6	21.9	19.3
50.5	29.0	27.2	25.0	22.7	20.0
51.0	29.6	27.6	25.6	23.3	20.8
51.5	30.1	28.2	26.2	24.1	21.3
52.0	30.5	28.7	26.8	24.5	22.1
52.5	31.0	29.3	27.4	25.2	22.8
53.0	31.6	29.9	27.8	25.8	23.6
53.5	32.1	30.4	28.4	26.4	24.3
54.0	32.7	30.7	29.0	27.2	24.8
54.5	33.2	31.3	29.6	27.8	25.5
55.0	33.8	31.9	30.3	28.3	26.2
55.5	34.1	32.7	30.6	28.9	26.9
56.0	34.6	33.3	31.2	29.6	27.7
56.5	35.2	33.9	31.8	30.3	28.2
57.0	35.3	34.1	32.4	30.6	28.9
57.5	35.9	34.4	33.0	31.3	29.6
58.0	36.4	35.0	33.6	31.9	30.4
58.5	37.0	35.6	34.2	32.5	30.9
59.0	37.5	36.1	34.6	33.3	31.6
59.5	37.8	36.7	35.2	34.0	32.2
60.0	38.6	37.0	35.8	34.6	32.9
60.5	39.2	37.5	36.2	34.9	33.6
61.0	39.6	38.1	36.8	35.6	34.4
61.5	39.9	38.7	37.1	36.2	34.8
62.0	40.5	39.3	37.7	36.7	35.5
62.5	40.9	39.4	38.3	37.2	36.2
63.0	41.5	40.0	38.9	38.0	37.0

Imperial Low Power Strength Table (Cube Correlations)					
Compressive Strength (PSI)					
Exposed Probe (inches)	PSI Mohs' NO. 3	PSI Mohs' NO.4	PSI Mohs' NO.5	PSI Mohs' NO.6	PSI Mohs' NO.7
1.125	656	-	-	-	-
1.2	781	-	-	-	-
1.175	906	563	-	-	-
1.2	1000	656	-	-	-
1.225	1125	750	-	-	-
1.3	1250	844	-	-	-
1.275	1344	938	-	-	-
1.3	1469	1031	563	-	-
1.325	1563	1125	656	-	-
1.4	1656	1219	750	-	-
1.4	1750	1344	875	-	-
1.4	1875	1438	969	-	-
1.425	1969	1531	1094	500	-
1.5	2063	1625	1219	625	-
1.475	2156	1750	1313	750	-
1.5	2313	1875	1438	875	-
1.525	2406	1969	1563	1000	-
1.6	2500	2094	1656	1125	563
1.575	2594	2188	1781	1250	688
1.6	2688	2313	1906	1375	813
1.625	2813	2438	2000	1500	938
1.7	2906	2531	2125	1625	1094
1.675	3000	2625	2250	1750	1219
1.7	3125	2750	2344	1875	1344
1.725	3219	2844	2469	2000	1469
1.8	3313	2969	2594	2125	1594
1.775	3438	3063	2688	2250	1750
1.8	3531	3188	2813	2375	1875
1.825	3625	3313	2938	2500	2000
1.9	3750	3406	3031	2625	2156
1.875	3844	3500	3156	2750	2281
1.9	3938	3625	3281	2875	2406
1.925	4063	3719	3375	3000	2563
2.0	4156	3844	3500	3125	2688
1.975	4250	3938	3625	3250	2813
2.0	4344	4063	3719	3375	2969
2.025	4438	4188	3844	3500	3094
2.1	4563	4281	3969	3625	3219
2.075	4688	4375	4063	3750	3375
2.1	4813	4500	4188	3875	3500
2.125	4906	4594	4313	4000	3625
2.2	5000	4719	4406	4125	3781
2.175	5094	4813	4531	4250	3906
2.2	5188	4938	4656	4375	4063
2.225	5313	5063	4750	4500	4188
2.3	5438	5156	4875	4625	4344
2.275	5531	5250	5000	4750	4469
2.3	5625	5375	5094	4875	4594
2.325	5719	5469	5219	5000	4750
2.4	5813	5594	5344	5125	4875
2.375	5938	5688	5438	5250	5000
2.4	6031	5813	5563	5375	5156
2.425	6125	5938	5688	5500	5281
2.5	6250	6031	5844	5625	5438
2.475	-	6125	5938	5750	5563
2.5	-	6250	6031	5875	5719

Note:

Cylinder to Cube conversion factor varies from 1.26 to 1.0 as the compressive strength increases

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This Table is used only for the LOW POWER range of the Windsor Probe System, i.e. the probe is positioned 2 1/2 inches downstream in the driver barrel.

The Table represents the results of calibration the system to the low velocity of the probe at the LOW POWER position.

ALWAYS use the low power range for concrete less than 28 days after placement or until the concrete has cured sufficient to cause loose probes (approximately 3800 to 4500 psi). If the probes are not firmly embedded change to Standard Power.

This Table Number 2, has no fixed relationship to Table Number 1. Each Table has been calibrated independently to respective probe velocity.

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

For standard weight concrete (>125 lbs /cu ft) use Silver color PRS-01 (1/4 inch diameter probe) and read results in appropriate Mohs' column from Table Number 2.

For lightweight concrete (120 to 130 lbs /cu ft), use Gold color PRS-03 (5/16 inch diameter probe) and read results in Mohs' Number 3 column from Table Number 2 or apply the appropriate correction factor shown in the L.W. Table below:

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

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

The Windsor Probe Test System apparatus complies with ASTM C803.

The Precision of Probes is set forth in the Statement prepared by ASTM in accordance with C670.

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Windsor Probe Standard Power Strength Table (No.1)



**TEST WELL
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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.

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 U-PRS-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 U-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.

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Metric Standard Power Strength Table (Cube Correlations)					
Compressive Strength (MPa)					
Exposed Probe (mm)	Mpa Mohs' NO. 3	Mpa Mohs' NO.4	Mpa Mohs' NO.5	Mpa Mohs' NO.6	Mpa Mohs' NO.7
35.0	24.2	18.2	-	-	-
35.5	25.3	19.4	13.3	-	-
36.0	26.4	20.5	14.5	-	-
36.5	27.6	21.7	15.7	-	-
37.0	28.4	22.9	17.2	8.9	-
37.5	29.5	24.1	18.2	10.3	-
38.0	30.6	25.2	19.4	11.6	-
38.5	31.5	26.4	20.6	12.9	4.3
39.0	32.6	27.6	21.8	14.3	5.8
39.5	33.7	28.5	23.1	15.6	7.3
40.0	34.5	29.7	24.1	17.0	8.7
40.5	35.6	30.6	25.5	18.3	10.2
41.0	36.4	31.7	26.7	19.6	11.6
41.5	37.4	32.9	27.9	21.0	13.1
42.0	38.5	33.7	28.9	22.3	14.6
42.5	39.3	34.9	30.1	23.6	16.0
43.0	40.3	35.7	31.1	25.0	17.5
43.5	41.4	36.8	32.5	26.3	18.9
44.0	42.1	38.0	33.2	28.1	20.4
44.5	43.2	39.1	34.4	29.5	21.9
45.0	43.8	39.9	35.6	30.1	23.3
45.5	44.9	41.0	36.8	31.1	24.8
46.0	45.5	41.8	37.7	32.5	26.3
46.5	46.6	42.9	38.9	33.5	27.7
47.0	47.6	43.6	39.7	34.8	28.9
47.5	48.2	44.7	40.9	36.1	30.4
48.0	49.3	45.8	41.7	37.1	31.8
48.5	49.4	46.5	42.9	38.4	33.0
49.0	50.9	47.6	43.7	39.3	34.2
49.5	51.5	48.3	44.8	40.6	35.6
50.0	52.0	49.4	45.6	41.6	36.7
50.5	53.0	50.5	46.7	42.8	38.1
51.0	53.5	51.6	47.4	44.1	39.2
51.5	54.5	52.0	48.6	45.4	40.6
52.0	55.0	52.3	49.7	45.8	41.7
52.5	55.5	53.4	49.9	47.1	43.0
53.0	56.5	53.9	51.1	47.9	44.1
53.5	57.4	55.5	51.7	49.2	45.4
54.0	57.6	56.5	52.8	49.5	46.4
54.5	57.7	56.9	53.9	50.7	47.8
55.0	58.1	57.1	54.5	51.9	48.7
55.5	58.5	57.5	55.0	52.7	49.2
56.0	59.4	58.1	55.7	53.9	50.5
56.5	60.4	59.3	56.7	54.6	51.4
57.0	60.7	59.9	57.3	55.8	52.7
57.5	61.6	60.5	57.8	56.0	53.5
58.0	62.0	61.0	58.3	56.6	54.8
58.5	62.2	61.3	59.3	57.8	55.1
59.0	63.1	61.6	60.3	58.9	56.4
59.5	64.0	62.0	61.0	59.0	57.2
60.0	64.9	62.3	61.9	59.5	58.4
60.5	65.9	63.3	62.0	60.1	59.0
61.0	66.8	64.2	62.3	61.2	59.8
61.5	67.7	65.2	62.5	62.3	61.1
62.0	68.6	66.1	63.5	62.5	61.5
62.5	69.5	67.1	64.5	62.7	61.8
63.0	70.4	68.0	65.5	63.8	63.0

Imperial Standard Power Strength Table (Cube Correlations)					
Compressive Strength (PSI)					
Exposed Probe (Inches)	PSI Mohs' NO. 3	PSI Mohs' NO. 4	PSI Mohs' NO.5	PSI Mohs' NO.6	PSI Mohs' NO.7
1.4	3750	-	-	-	-
1.425	3969	-	-	-	-
1.45	4156	-	-	-	-
1.475	4375	-	-	-	-
1.5	4594	3750	-	-	-
1.525	4781	3969	-	-	-
1.55	5000	4188	-	-	-
1.575	5219	4406	-	-	-
1.6	5406	4625	3813	-	-
1.625	5625	4844	4031	-	-
1.65	5844	5063	4250	-	-
1.675	6031	5281	4500	-	-
1.7	6250	5500	4719	3750	-
1.725	6469	5719	4938	4000	-
1.75	6656	5938	5188	4250	-
1.775	6875	6156	5406	4500	-
1.8	7094	6375	5625	4750	3750
1.825	7281	6594	5875	5000	4031
1.85	7500	6813	6094	5250	4281
1.875	7719	7031	6313	5500	4563
1.9	7906	7250	6563	5750	4844
1.925	8125	7469	6781	6000	5125
1.95	8344	7688	7000	6250	5375
1.975	8531	7906	7250	6500	5656
2	8750	8125	7469	6750	5938
2.025	8969	8344	7688	7000	6219
2.05	9156	8563	7938	7250	6469
2.075	9375	8781	8156	7500	6750
2.1	9594	9000	8375	7750	7031
2.125	9781	9219	8625	8000	7313
2.15	10000	9438	8844	8250	7563
2.175	10219	9656	9063	8500	7844
2.2	10406	9875	9313	8750	8125
2.225	10625	10094	9531	9000	8406
2.25	10844	10313	9750	9250	8656
2.275	11031	10531	9969	9500	8938
2.3	11250	10750	10219	9750	9219
2.325	11469	10969	10438	10000	9500
2.35	11656	11188	10656	10250	9750
2.375	11875	11406	10906	10500	10031
2.4	12094	11625	11125	10750	10313
2.425	12281	11844	11344	11000	10594
2.45	12500	12063	11594	11250	10844
2.475	-	12281	11813	11500	11125
2.5	-	12500	12031	11750	11406

Note:

Cylinder to Cube conversion factor varies from 1.26 to 1.0 as the compressive strength increases

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Windsor Probe Low Power Strength Table (No.2)

Metric Low Power Strength Table (Cylinder Correlations)					
Compressive Strength (MPA)					
Exposed Probe (mm)	Mpa Mohs' NO. 3	Mpa Mohs' NO.4	Mpa Mohs' NO.5	Mpa Mohs' NO.6	Mpa Mohs' NO.7
28.5	3.8	-	-	-	-
29.0	4.3	-	-	-	-
29.5	4.7	2.3	-	-	-
30.0	5.2	2.8	-	-	-
30.5	5.7	3.3	-	-	-
31.0	6.1	3.7	-	-	-
31.5	6.6	4.2	-	-	-
32.0	7.0	4.7	-	-	-
32.5	7.5	5.1	-	-	-
33.0	7.9	5.6	-	-	-
33.5	8.4	6.1	3.4	-	-
34.0	8.8	6.6	3.9	-	-
34.5	9.3	7.0	4.4	-	-
35.0	9.7	7.5	4.9	-	-
35.5	10.2	8.0	5.4	-	-
36.0	10.7	8.4	5.8	-	-
36.5	11.1	8.9	6.3	3.1	-
37.0	11.6	9.4	6.8	3.6	-
37.5	12.0	9.9	7.3	4.2	-
38.0	12.5	10.3	7.8	4.7	-
38.5	12.9	10.8	8.3	5.3	-
39.0	13.4	11.3	8.8	5.8	2.5
39.5	13.8	11.7	9.3	6.3	3.1
40.0	14.3	12.2	9.8	6.9	3.6
40.5	14.7	12.7	10.3	7.4	4.2
41.0	15.2	13.2	10.8	8.0	4.8
41.5	15.6	13.6	11.3	8.5	5.4
42.0	16.1	14.1	11.8	9.1	6.0
42.5	16.6	14.6	12.3	9.6	6.6
43.0	17.0	15.0	12.8	10.1	7.2
43.5	17.5	15.5	13.3	10.7	7.8
44.0	17.9	16.0	13.8	11.2	8.4
44.5	18.4	16.5	14.3	11.8	9.0
45.0	18.8	16.9	14.8	12.3	9.5
45.5	19.3	17.4	15.3	12.9	10.1
46.0	19.7	17.9	15.8	13.4	10.7
46.5	20.2	18.3	16.3	13.9	11.3
47.0	20.6	18.8	16.8	14.5	11.9
47.5	21.1	19.3	17.3	15.0	12.5
48.0	21.5	19.8	17.8	15.6	13.1
48.5	22.0	20.2	18.3	16.1	13.7
49.0	22.5	20.7	18.8	16.7	14.3
49.5	22.9	21.2	19.3	17.2	14.9
50.0	23.4	21.6	19.8	17.7	15.4
50.5	23.8	22.1	20.3	18.3	16.0
51.0	24.3	22.6	20.8	18.8	16.6
51.5	24.7	23.1	21.3	19.4	17.2
52.0	25.2	23.5	21.8	19.9	17.8
52.5	25.6	24.0	22.3	20.5	18.4
53.0	26.1	24.5	22.8	21.0	19.0
53.5	26.5	24.9	23.3	21.5	19.6
54.0	27.0	25.4	23.8	22.1	20.2
54.5	27.4	25.9	24.3	22.6	20.7
55.0	27.9	26.4	24.8	23.2	21.3
55.5	28.4	26.8	25.3	23.7	21.9
56.0	28.8	27.3	25.8	24.3	22.5
56.5	29.3	27.8	26.3	24.8	23.1
57.0	29.7	28.2	26.8	25.3	23.7
57.5	30.2	28.7	27.3	25.9	24.3
58.0	30.6	29.2	27.8	26.4	24.9
58.5	31.1	29.7	28.3	27.0	25.5
59.0	31.5	30.1	28.8	27.5	26.1
59.5	32.0	30.6	29.3	28.1	26.6
60.0	32.4	31.1	29.8	28.6	27.2
60.5	32.9	31.5	30.2	29.1	27.8
61.0	33.3	32.0	30.7	29.7	28.4
61.5	33.8	32.5	31.2	30.2	29.0
62.0	34.3	33.0	31.7	30.8	29.6
62.5	34.7	33.4	32.2	31.3	30.2
63.0	35.2	33.9	32.7	31.9	30.8

Imperial Low Power Strength Table (Cylinder Correlations)					
Compressive Strength (PSI)					
Exposed Probe (inches)	PSI Mohs' NO. 3	PSI Mohs' NO. 4	PSI Mohs' NO.5	PSI Mohs' NO.6	PSI Mohs' NO.7
1.125	525	-	-	-	-
1.15	625	-	-	-	-
1.175	725	450	-	-	-
1.2	800	525	-	-	-
1.225	900	600	-	-	-
1.25	1000	675	-	-	-
1.275	1075	750	-	-	-
1.3	1175	825	450	-	-
1.325	1250	900	525	-	-
1.35	1325	975	600	-	-
1.375	1400	1075	700	-	-
1.4	1500	1150	775	-	-
1.425	1575	1225	875	400	-
1.45	1650	1300	975	500	-
1.475	1725	1400	1050	600	-
1.5	1850	1500	1150	700	-
1.525	1925	1575	1250	800	-
1.55	2000	1675	1325	900	450
1.575	2075	1750	1425	1000	550
1.6	2150	1850	1525	1100	650
1.625	2250	1950	1600	1200	750
1.65	2325	2025	1700	1300	875
1.675	2400	2100	1800	1400	975
1.7	2500	2200	1875	1500	1075
1.725	2575	2275	1975	1600	1175
1.75	2650	2375	2075	1700	1275
1.775	2750	2450	2150	1800	1400
1.8	2825	2550	2250	1900	1500
1.825	2900	2650	2350	2000	1600
1.85	3000	2725	2425	2100	1725
1.875	3075	2800	2525	2200	1825
1.9	3150	2900	2625	2300	1925
1.925	3250	2975	2700	2400	2050
1.95	3325	3075	2800	2500	2150
1.975	3400	3150	2900	2600	2250
2	3475	3250	2975	2700	2375
2.025	3550	3350	3075	2800	2475
2.05	3650	3425	3175	2900	2575
2.075	3750	3500	3250	3000	2700
2.1	3850	3600	3350	3100	2800
2.125	3925	3675	3450	3200	2900
2.15	4000	3775	3525	3300	3025
2.175	4075	3850	3625	3400	3125
2.2	4150	3950	3725	3500	3250
2.225	4250	4050	3800	3600	3350
2.25	4350	4125	3900	3700	3475
2.275	4425	4200	4000	3800	3575
2.3	4500	4300	4075	3900	3675
2.325	4575	4375	4175	4000	3800
2.35	4650	4475	4275	4100	3900
2.375	4750	4550	4350	4200	4000
2.4	4825	4650	4450	4300	4125
2.425	4900	4750	4550	4400	4225
2.45	5000	4825	4675	4500	4350
2.475	-	4900	4750	4600	4450
2.5	-	5000	4825	4700	4575



**TEST WELL
BUILD WELL**

This Table is used only for the LOW POWER range of the Windsor Probe System, i.e. the probe is positioned 2 1/2 inches downstream in the driver barrel.

The Table represents the results of calibration the system to the low velocity of the probe at the LOW POWER position.

ALWAYS use the low power range for concrete less than 28 days after placement or until the concrete has cured sufficient to cause loose probes (approximately 3800 to 4500 psi). If the probes are not firmly embedded change to Standard Power.

This Table Number 2, has no fixed relationship to Table Number 1. Each Table has been calibrated independently to respective probe velocity.

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

For standard weight concrete (>125 lbs /cu ft) use Silver color PRS-01 (1/4 inch diameter probe) and read results in appropriate Mohs' column from Table Number 2.

For lightweight concrete (120 to 130 lbs /cu ft), use Gold color PRS-03 (5/16 inch diameter probe) and read results in Mohs' Number 3 column from Table Number 2 or apply the appropriate correction factor shown in the L.W. Table below:

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

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

The Windsor Probe Test System apparatus complies with ASTM C803.

The Precision of Probes is set forth in the Statement prepared by ASTM in accordance with C670. **3727 N. Kedzie Ave.**

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Strength Locators Ultrasonics Corrosion Moisture

Windsor Probe Standard Power Strength Table (No.1)



**TEST WELL
BUILD WELL**

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.

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 U-PRS-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 U-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/ft	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.

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Imperial Standard Power Strength Table (Cylinder Correlations)						
Compressive Strength (PSI)						
Exposed Probe (inches)	PSI Mohs' NO. 3	PSI Mohs' NO. 4	PSI Mohs' NO.5	PSI Mohs' NO.6	PSI Mohs' NO.7	
1.4	3000	-	-	-	-	
1.425	3175	-	-	-	-	
1.45	3325	-	-	-	-	
1.475	3500	-	-	-	-	
1.5	3675	3000	-	-	-	
1.525	3825	3175	-	-	-	
1.55	4000	3350	-	-	-	
1.575	4175	3525	-	-	-	
1.6	4325	3700	3050	-	-	
1.625	4500	3875	3225	-	-	
1.65	4675	4050	3400	-	-	
1.675	4825	4225	3600	-	-	
1.7	5000	4400	3775	3000	-	
1.725	5175	4575	3950	3200	-	
1.75	5325	4750	4150	3400	-	
1.775	5500	4925	4325	3600	-	
1.8	5675	5100	4500	3800	3000	
1.825	5825	5275	4700	4000	3225	
1.85	6000	5450	4875	4200	3425	
1.875	6175	5625	5050	4400	3650	
1.9	6325	5800	5250	4600	3875	
1.925	6500	5975	5425	4800	4100	
1.95	6675	6150	5600	5000	4300	
1.975	6825	6325	5800	5200	4525	
2	7000	6500	5975	5400	4750	
2.025	7175	6675	6150	5600	4975	
2.05	7325	6850	6350	5800	5175	
2.075	7500	7025	6525	6000	5400	
2.1	7675	7200	6700	6200	5625	
2.125	7825	7375	6900	6400	5850	
2.15	8000	7550	7075	6600	6050	
2.175	8175	7725	7250	6800	6275	
2.2	8325	7900	7450	7000	6500	
2.225	8500	8075	7625	7200	6725	
2.25	8675	8250	7800	7400	6925	
2.275	8825	8425	7975	7600	7150	
2.3	9000	8600	8175	7800	7375	
2.325	9175	8775	8350	8000	7600	
2.35	9325	8950	8525	8200	7800	
2.375	9500	9125	8725	8400	8025	
2.4	9675	9300	8900	8600	8250	
2.425	9825	9475	9075	8800	8475	
2.45	10000	9650	9275	9000	8675	
2.475	-	9825	9450	9200	8900	
2.5	-	10000	9625	9400	9125	

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