

Standard Deviation - LAST 35 FAMILY RESULTS

Sutton Coldfield CEM1

Ln	Test Ref	Date Cast	Mix description	GRADE fck MPa	BatchBook ref	Air %	Slump req	Slump actual	Control CC	Actual CC	Act 28 Day	Adj 28 Result
1	46	01-Apr-05	C28/35	35.0	2PCPL	0.0	100	130	275	325	52.0	42.0
2	47	01-Apr-05	C28/35	35.0	2PCPL	0.0	100	100	275	325	58.0	48.0
3	48	05-Apr-05	C28/35	35.0	2PCPL	0.0	100	110	275	325	61.5	51.5
4	49	05-Apr-05	C28/35	35.0	2PCPL	0.0	100	130	275	325	49.5	39.5
5	50	14-Apr-05	C28/35	35.0	2PCPL	0.0	100	140	275	325	53.5	43.5
6	51	14-Apr-05	C28/35	35.0	2PCPL	0.0	100	130	275	325	51.0	41.0
7	52	14-Apr-05	C28/35	35.0	2PCPL	0.0	100	130	275	325	53.5	43.5
8	53	18-Apr-05	C28/35	35.0	2PC	0.0	70	70	275	340	58.0	44.5
9	54	18-Apr-05	C28/35	35.0	2PC	0.0	70	100	275	340	51.5	38.0
10	55	20-Apr-05	C28/35	35.0	2PCAE	5.0	50	50	275	340	52.5	50.5
11	56	20-Apr-05	C28/35	35.0	2PCAE	4.4	50	70	265	340	52.5	48.0
12	57	04-May-05	C32/40	40.0	2PC	0.0	100	120	265	360	50.5	33.5
13	58	03-Jun-05	C28/35	35.0	2PCPL	0.0	100	100	265	325	49.0	37.0
14	59	03-Jun-05	C28/35	35.0	2PCPL	0.0	100	130	265	325	51.0	39.0
15	60	09-Jun-05	C28/35	35.0	2PC	0.0	100	140	265	340	47.5	34.0
16	61	09-Jun-05	C28/35	35.0	2PC	0.0	100	100	265	340	53.0	39.5
17	62	14-Jun-05	RC35	35.0	2PC	0.0	80	90	275	330	46.0	35.5
18	63	22-Jun-05	C28/35	35.0	2PCPL	0.0	70	70	275	315	48.0	37.5
19	64	22-Jun-05	C28/35	35.0	2PCPL	0.0	70	110	275	315	44.5	34.0
20	65	29-Jun-05	C28/35	35.0	2PCPL	0.0	70	90	295	315	46.5	40.5
21	66	01-Jul-05	RC35	35.0	2PC	0.0	80	100	295	330	50.0	43.5
22	67	01-Jul-05	RC35	35.0	2PC	0.0	80	80	295	330	52.5	46.0
23	68	05-Jul-05	C28/35	35.0	2PCPL	0.0	70	100	295	315	49.0	43.0
24	69	05-Jul-05	C28/35	35.0	2PCPL	0.0	70	80	295	315	42.0	36.0
25	70	08-Jul-05	C28/35	35.0	2PCPL	0.0	120	110	295	330	43.0	38.5
26	71	11-Jul-05	RC35	35.0	2PC	0.0	80	100	295	330	47.5	41.0
27	72	11-Jul-05	RC35	35.0	2PC	0.0	80	110	295	330	47.0	40.5
28	73	11-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	295	315	47.5	41.5
29	74	13-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	295	315	42.0	36.0
30	75	15-Jul-05	C28/35	35.0	2PCPL	0.0	70	110	285	315	49.0	40.5
31	76	25-Jul-05	C28/35	35.0	2PCPL	0.0	70	110	285	305	52.0	45.5
32	77	25-Jul-05	C28/35	35.0	2PCPL	0.0	70	80	285	350	60.0	44.5
33	78	26-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	285	305	52.0	45.5
34	79	28-Jul-05	C40	40.0	2PCPL	0.0	70	70	285	290	44.0	41.0
35	80	29-Jul-05	C28/35	35.0	2PC	0.0	70	70	285	290	42.0	41.0

Control Strength : 35.0

Target mean Strength : 41.5

SD (Method 2)

Calculated SD : 4.53 **PASS**

Control SD : 4.5

SD Range 2.8 To 6.2 (-63% / +137%)

Calculated k : 1.4