

## Standard Deviation - LAST 15 FAMILY RESULTS

08 March 2008

**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	66	01-Jul-05	RC35	35.0	2PC	0.0	80	100	295	330	50.0	43.5
2	67	01-Jul-05	RC35	35.0	2PC	0.0	80	80	295	330	52.5	46.0
3	68	05-Jul-05	C28/35	35.0	2PCPL	0.0	70	100	295	315	49.0	43.0
4	69	05-Jul-05	C28/35	35.0	2PCPL	0.0	70	80	295	315	42.0	36.0
5	70	08-Jul-05	C28/35	35.0	2PCPL	0.0	120	110	295	330	43.0	38.5
6	71	11-Jul-05	RC35	35.0	2PC	0.0	80	100	295	330	47.5	41.0
7	72	11-Jul-05	RC35	35.0	2PC	0.0	80	110	295	330	47.0	40.5
8	73	11-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	295	315	47.5	41.5
9	74	13-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	295	315	42.0	36.0
10	75	15-Jul-05	C28/35	35.0	2PCPL	0.0	70	110	285	315	49.0	40.5
11	76	25-Jul-05	C28/35	35.0	2PCPL	0.0	70	110	285	305	52.0	45.5
12	77	25-Jul-05	C28/35	35.0	2PCPL	0.0	70	80	285	350	60.0	44.5
13	78	26-Jul-05	C28/35	35.0	2PCPL	0.0	70	90	285	305	52.0	45.5
14	79	28-Jul-05	C40	40.0	2PCPL	0.0	70	70	285	290	44.0	41.0
15	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

Control SD : 4.5

Calculated k : 2.1

**SD (Method 2)**

Calculated SD : 3.16 **PASS**

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