

	Code Number	101 4980	102 4981	103 4982	104 4983	105 4984	106 5005	107 5006	108 5028	111 4999	112 5000
Components	Date	10/02/22	10/02/22	10/02/22	Raw	Sieved	Ground	Raw	Sieved	Ground	26/02/22
Mix contents		400	400	400	400	400	400	400	400	440	440
CEM I	kg	400	240	300	300	300	360	360	360	250	313
GGBS	kg	-	160	-	-	-	-	-	-	168	-
Silica Fume	kg	-	-	-	-	-	-	-	-	22	22
Pozzolana	kg	-	0	100	100	100	40	40	40	-	105
20mm	kg	650	650	650	650	650	650	650	650	380	380
10mm	kg	380	380	380	380	380	380	380	380	420	420
05mm	kg	530	500	500	500	500	500	500	500	610	590
Dune	kg	340	320	320	320	320	320	320	320	440	440
Free Water	kg	152	152	152	152	152	152	152	152	145	145
MasterPozolith 10	kg	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MasterGlenium 120AE	kg	6.33	7.00	8.50	12.83	10.83	7.17	8.50	8.50	-	-
Δ 120AE	kg	N/A	0.67	2.17	6.5	4.5	0.84	2.17	2.17	-	-
MasterGlenium 502AD	kg	-	-	-	-	-	-	-	-	6.33	10.50
Δ 502AD	kg	-	-	-	-	-	-	-	-	N/A	4.17
Fresh Concrete											
A/Cm	ratio	4.75	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.20	4.16
Free W/Cm	ratio	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.330	0.330
Plastic Density (kg/m³)	30 min	2470	2456	2445	2429	2426	2427	2421	2437	2457	2420
Air content (%)	30 min	1.80%	1.60%	2.00%	2.10%	2.30%	2.90%	3.00%	1.90%	1.20%	1.90%
Bleeding (%)	30 min	Nil									
Setting Time	hrs	10.0	16.5	21.0	72.0	48.0	17.5	11.1	18.5	-	-
	Initial	220	230	220	210	220	230	230	220	720	700
	30 min	200	220	130	170	200	220	215	220	730	680
Slump or Flow (mm)	60 min	180	210	110	140	180	210	200	210	720	650
	90 min	160	200	90	110	140	200	175	200	720	640
	120 min	140	180	80	90	120	170	150	180	710	600
Hardened concrete											
Compressive Strength (N/mm²)	1 day	24.5	10.0	3.5	0.0	0.0	17.5	11.0	10.0	18.5	18.5
	3 days	51.5	46.0	46.0	12.5	31.5	48.0	47.0	48.0	39.5	41.5
100mm Cubes	7 days	63.5	55.0	52.5	34.5	47.0	46.5	44.0	54.0	64.0	62.5
	28 days	74.5	67.0	64.5	46.0	57.5	62.5	61.5	64.5	79.5	71.5
	56 days	80.5	74.0	70.0	50.0	62.0	68.0	69.5	73.0	89.0	78.5
	90 days	84.0	80.0	74.5	56.0	65.0	71.0	74.0	77.5	93.5	83.0
RCP (coulombs)	28 days	3 935	1 903	3 138	1 740	3 908	6 096	5 306	3 966	720	903
	56 days	3 428	1 325	2 200	1 536	3 560	3 757	2 460	1 764	415	569
	90 days	2 072	849	1 265	962	1 829	3 033	2 114	560	244	293
Water Absorption (%)	28 days	2.1	1.8	1.9	1.7	1.9	1.8	1.9	1.7	1.1	1.3
	56 days	1.6	1.3	1.5	1.4	1.5	1.6	1.5	1.3	0.8	0.9
	90 days	1.4	1.1	1.3	1.2	1.3	1.4	1.3	1.1	0.6	0.8
Notes	Control									Control	