

	Loose	Batch	Batch	Batch	Batch	Batch	Batch	Batch	Batch	Batch	Batch	Batch	Batch
	Vol ft ³	50 ft ³	Weights	50 ft ³	Weights	50 ft ³	Weights	50 ft ³	Weights	50 ft ³	Weights	50 ft ³	Weights
Strength			C - 90		C - 90		C - 90		C-90 MW	HPCMU	C - 90	HPCMU	5000 +
Est weight / block			25		26		29.5		30		25		25
Density spec. PCF			95		100		105		110		85		95
Cement (ab.vol ft ³)	94	4.79	450	4.79	450	4.52	425	4.79	450	5.85	550	7.14	671
Fly ash / Slag (ab.vol ft ³)	80	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0
Norlite	55	37.27	2050	32.73	1800	29.82	1640	23.64	1300	47.27	2600	29.09	1600
Sand	95	11.05	1050	15.79	1500	16.11	1530	25.26	2400	0.00	0	0.00	0
3/8 stone	89											7.58	675
screenings	95											10.00	950
Water													
Admixtures													
Batch weight lbs			3550		3750		3595		4150		3150		3896
Batch loose ft ³		53.11		53.30		50.44		53.69		53.12		53.81	
Added water % cmt	0.6		270		270		255		270		330		402.6
Yield			148		148		140		149		148		145
Net volume	0.28		0.28		0.28		0.28		0.28		0.28		0.28
Dry weight / block			24.67		25.93		26.26		28.43		22.09		27.70
Wet weight / block			25.89		27.15		27.48		29.64		23.58		29.54
Actual density PCF			88.11		92.62		93.79		101.54		78.90		98.93
total cement lbs/ block			3.05		3.04		3.03		3.02		3.73		4.61
Net volume 8"	0.28												
% cmt to aggregate by vol		9.9%		9.9%		9.8%		9.8%		12.4%		15.3%	
% cmt to aggregate by wt			14.5%		13.6%		13.4%		12.2%		21.2%		20.8%
Cmt to Agg ratio 1:		10.1		10.1		10.2		10.2		8.1		6.5	

