

CONCRETE SPECIFICATIONS

Redi-Mix Concrete

Number of 60 Lb. and 80 Lb. bags of redi-mix concrete to set posts and poles.

DEPTH OF HOLE	DIAMETER OF HOLE							
	6" Hole		8" Hole		10" Hole		12" Hole	
	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.
12"	1/2	2/3	3/4	2/3	1 1/4	1	1 3/4	1 1/2
18"	2/3	1/2	1 1/4	1	2	1 1/2	2 2/3	2
24"	1	2/3	1 1/2	1 1/4	2 1/2	2	3 1/2	2 2/3
30"	1 1/4	1	2	1 1/2	3	2 1/2	4 1/2	3 1/2
36"	1 1/2	1	2 1/2	1 3/4	3 2/3	3	5 1/4	4
42"	1 2/3	1 1/4	2 3/4	2	4 1/4	3 1/4	6 1/4	4 2/3

Number of 60 Lb. and 80 Lb. bags of redi-mix concrete required to pour a concrete slab.

SLAB THICKNESS	SQUARE FOOT AREA									
	1'		2'		3'		5'		10'	
	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.
4"	1	1/2	1 1/2	1	2	2	4	3	8	6
6"	1	1	2	2	3 1/2	3	6	4	12	9

SLAB THICKNESS	SQUARE FOOT AREA									
	15'		20'		30'		40'		50'	
	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.	60 Lb.	80 Lb.
4"	12	9	15	12	23	17	30	23	38	28
6"	17	13	23	17	34	25	45	34	56	42

Mortar Mix

Blocks: One 60 lb. bag for 20 blocks; One 80 lb. bag for 27 blocks.
Bricks: One 60 lb. bag for 48 bricks; One 80 lb. bag for 65 bricks.

Sand Mix

60 lb. bag yields 6 square feet x 1" deep.
 80 lb. bag yields 8 square feet x 1" deep.

MORTAR MIXES FOR CONCRETE BLOCK WORK*

Application	Cement	Hydrated Lime	Mortar Sand (measured in damp, loose condition)
Routine Projects	1 part of masonry cement or 1 part of portland cement	None 1 - 1 1/4	2-3 4-6
	Projects subject to extremely heavy loads, severe frost action, earthquakes, violent winds; also for isolated piers.	1 part of masonry cement and 1 part of portland cement or 1 part of portland cement	 0 - 1/4 2-3

* All proportions measured by volume.

How To Estimate Materials For 100 Square Feet Of Concrete Of Various Thicknesses

Thickness of concrete in inches	Amount of concrete cubic yard	1: 1 3/4:2 mix Aggregate			Proportions 1:2 1/4:3 mix Aggregate			1:2 3/4:4 mix Aggregate		
		Cement bags	Fine cu. ft.	Coarse cu. ft.	Cement bags	Fine cu. ft.	Coarse cu. ft.	Cement bags	Fine cu. ft.	Coarse cu. ft.
3	0.92	7.5	12.9	14.7	5.8	12.9	17.5	4.6	12.9	18.4
4	1.24	10.0	17.3	19.9	7.8	17.3	23.6	6.2	17.3	24.8
5	1.56	12.5	21.9	25.9	9.8	21.7	29.6	7.8	21.8	31.2
6	1.85	15.0	25.8	29.4	11.5	26.0	35.2	9.3	26.0	37.0
8	2.46	20.0	34.6	39.8	15.4	34.4	46.8	12.3	34.4	49.3
10	3.08	25.0	43.8	50.0	19.3	43.2	58.5	15.4	43.2	61.6
12	3.70	30.0	51.6	58.8	23.1	51.8	70.4	18.5	51.8	74.0

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