

Engineering Information

Material Required for Plastering 100SQ.FT. Of Surface with Varying Thickness of Concrete

C=cement in bags (based on loose cement weighting 9292 1bs.per cu.sf)

F.A. =fine aggregate (sand) in cu.ft.in dry state

C.A= coarse aggregate (brocken stone) in cu.ft. (No allowance for wastage in table)

Engineering Information

MATERIALS REQUIRED FOR 100 SQ. FT. OF SURFACE FOR VARYING THICKNESS OF CONCRETE

C = Cement in Bags (Based on loose cement weighting 92 lbs./per cu.ft.)
 F.A. = Fine Aggregate (Sand) in cu. ft.
 C.A. = Coarse Aggregate (Broken Stone) in cu. ft.
 (No allowance for wastage in table)

Nominal Mix.	Material	Thickness in Inches					
		2"	2 1/2"	3"	3 1/2"	4"	4 1/2"
1:1.3	C.	3.8	8.4	5.7	6.7	7.6	8.6
	FA.	6.9	8.6	10.3	12.0	13.7	15.5
	C.A.	13.8	17.2	20.6	24.0	27.4	31.0
1:2.3	C.	3.4	4.3	5.1	6.0	6.8	7.7
	FA.	8.2	10.3	12.3	14.3	16.4	18.5
	C.A.	12.3	15.4	18.5	21.5	24.6	27.7
1:2.2:4 OR 1:1 1/2:3:3 1/4	C.	3.4	4.3	5.1	6.0	6.8	7.7
	FA.	6.9	8.6	10.3	12.0	13.7	15.7
	C.A.	13.8	17.2	20.6	24.0	27.4	31.0
1:1.3	C.	9.6	11.5	15.3	17.2	19.1	22.9
	FA.	17.2	20.6	27.5	30.9	34.3	41.2
	C.A.	34.4	41.2	55.0	61.8	68.7	82.4
1:2.3	C.	8.5	10.3	13.7	15.4	17.1	20.5
	FA.	20.5	24.6	32.8	36.9	41.0	49.2
	C.A.	30.8	37.0	49.3	55.4	61.5	73.8
1:2.2:4 OR 1:1 1/2:3:3 1/4	C.	8.6	10.3	13.7	15.4	17.1	20.6
	FA.	17.2	20.6	27.5	31.0	34.3	41.2
	C.A.	34.4	41.2	55.0	62.0	68.5	82.4

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Nominal Mix.	Material	Thickness in Inches					
		2"	2 1/2"	3"	3 1/2"	4"	4 1/2"
1:2:4	C.	3.0	3.7	4.4	5.2	5.9	6.7
	FA.	7.1	8.9	10.7	12.5	14.2	16.0
	C.A.	14.2	17.8	21.4	25.0	28.4	32.0
1:2 1/2:5	C.	2.5	3.1	3.7	4.3	4.9	5.5
	FA.	7.3	9.2	11.0	12.8	14.7	16.5
	C.A.	14.6	18.4	22.0	25.6	29.4	33.0
1:3:5	C.	2.2	2.8	3.3	3.9	4.5	5.0
	FA.	8.3	10.4	12.4	14.5	16.5	18.6
	C.A.	13.8	17.2	20.6	24.1	27.5	31.0
1:3:6	C.	2.1	2.6	3.1	3.6	4.2	4.7
	FA.	7.5	9.4	11.2	13.1	14.9	16.8
	C.A.	15.0	18.8	22.4	26.2	29.8	33.6
1:4:8	C.	1.6	2.0	2.4	2.8	3.2	3.6
	FA.	7.7	9.6	11.5	13.5	15.4	17.3
	C.A.	15.4	19.2	23.0	27.0	30.8	34.6
1:2:4	C.	7.4	8.9	11.8	13.3	14.8	17.5
	FA.	17.8	21.4	28.5	32.0	35.6	42.7
	C.A.	35.6	42.8	57.0	64.0	71.2	85.4
1:2 1/2:5	C.	6.1	7.4	9.8	11.0	12.2	14.7
	FA.	18.3	22.0	29.4	33.0	36.7	44.0
	C.A.	36.6	44.0	58.8	66.0	73.4	88.0
1:3:5	C.	5.6	6.7	8.0	10.0	11.2	13.25
	FA.	20.7	24.8	33.1	37.2	41.4	49.6
	C.A.	34.4	41.0	55.0	62.0	68.8	81.6
1:3:6	C.	5.2	6.3	8.3	9.4	11.4	12.5
	FA.	18.7	22.4	29.9	33.6	37.4	44.9
	C.A.	33.4	44.8	59.8	67.2	74.8	89.8
1:4:8	C.	4.0	4.8	6.4	7.2	8.0	9.6
	FA.	19.2	23.3	30.7	34.6	38.4	46.1
	C.A.	38.4	46.0	61.4	69.2	76.8	92.2

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