Engineering Information

Quantities and Coarse Aggregate Required for

Mortar or concrete. Stone 45% specific gravity of cement=3.1

Engineering Information

QUALITIES OF CEMENT, FINE AGGREGATE

100 Cu. feet Compact Assumption-Voids in sand 40% broken

the could be 100 or flightened by the Tale		Water	
Nominal mix Cement Fine Aggregate Coarse Aggregate	Fineness 'Sieve swanz 'Sieve skeneneske 2/4"	Water/ Cement Radio (by weight) for Minimum Consistency	In Gallons per bag
$\begin{array}{cccccccccccccccccccccccccccccccccccc$.25 .28 .30 .35 .40 .53 .70 .90 .30 .42 .48 .42 .50 .53 .55 .55	2.8 3.1 3.3 3.9 4.4 5.9 7.8 10.0 3.3 4.7 5.3 4.7 5.5 5.9 6.1 6.3 6.6 7.2 7.2
1 3 3 3 4 of the	6 8	.75 .95	7.7 8.3 10.5

1. Also known as 1:2:4 1:2:2:4

No allowance made in table for waste

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Engineering Information

QUANTITES AND COARSE AGGREGATE REQUIRED FOR

Mortar or concrete. Stone 45% specific Gravity of Cement = 3.1

		Fine Aggregate		
Max.	Mortan	Sand	Coarse	
Cement	Sand	moist	Age:	
in	Dry	(Bulking) 20%	(Broken Stone)	
Bags	Cu. ft.	2.6 Culftbaxing	old T 1 Cu. ft. 3.01	
07.5	69.0	82.8	pini i pi pe 2 i	
46.5	84.0	101.0	birti i dipo os	
39.5	94.0	113.0	34, Sq_Ft. I". Thid	
33.5	100.0	120.0	8 2.8 8.4	
29.0	105.0	126.0	For Plastering on	
22.8	110.0	132.0	and the same of th	
16.3	118.0	142.0	odili the insequali	
12.7	122.0	147.0	11 155 - 167-	
31.9	38.4	46.1	76.4	
22.9	ints inc 2.14g wastage	of 8 % of 49.51 ritiw	TENOSE 182.4	
20.6	41.2	49.5	82.4	
24.5	59.2	70.8	59.0	
20.5	49.2	59.0 w ga	73.8	
19.0	46.1	55.5	79.8	
17.75	42.7	51.2	85.4	
18.25	2 49.3	4.6 59.2	76.7	
17.55 (zbi	308) 152.6 live Has	im Institution 63.1 nistric	73.8	
16.5	49.5	59.5 abiov	79.2	
14.7	44.0	52.9	88.0	
15.35	52.2	66.2	73.8	
13.35	49.6	59.5	82.6	
12.50	44.9	53.9	Bilos 89.8	
9.60	46.1	55.5	92.2	

1. For gravel aggregate decrease cement by 5% fine aggregate by 2 cu. ft. and coarse aggregate in proporation to fine aggregate as gives in the mix.