

PROPORTIONS FOR 1500 LB. PER SQ. IN. CONCRETE.

Size of course aggregate	Slump, in inches	Size of fine aggregate					
		O—No. 30	O—No. 16	O—No. 8	O—No. 4	O—3/8 in.	
None	1/2 to 1	1:2.8	1:3.2	1:3.8	1:4.4	1:5.1	
	3 to 4	1:2.4	1:2.8	1:3.3	1:3.8	1:4.5	
	6 to 7	1:1.9	1:2.2	1:2.6	1:3.0	1:3.6	
	8 to 10	1:1.4	1:1.6	1:1.3	1:2.1	1:2.5	
No. 4 to 3/4 in.....	1/2 to 1	1:2.6:4.6	1:2.9:4.3	1:3.4:4.1	1:3.9:3.6	1:4.6:3.1	
	3 to 4	1:2.3:4.0	1:2.6:3.8	1:2.9:3.6	1:3.4:3.2	1:4.1:2.8	
	6 to 7	1:1.8:3.4	1:2.0:3.2	1:2.3:3.1	1:2.6:2.8	1:3.1:2.5	
	8 to 10	1:1.1:2.5	1:1.3:2.4	1:1.5:2.4	1:1.7:2.2	1:2.1:2.0	
No. 4 to 1 in.....	1/2 to 1	1:2.4:5.3	1:2.7:5.2	1:3.1:5.0	1:3.5:4.7	1:4.3:4.3	
	3 to 4	1:5.1:4.7	1:2.4:4.5	1:2.7:4.4	1:3.1:4.1	1:4.7:3.7	
	6 to 7	1:1.6:3.9	1:1.8:3.8	1:2.1:3.7	1:2.4:3.5	1:2.9:3.3	
	8 to 10	1:1.1:2.9	1:1.2:2.8	1:1.4:2.8	1:1.6:2.7	1:1.9:2.5	
No. 4 to 1 1/2 in.....	1/2 to 1	1:2.4:6.0	1:2.7:5.9	1:3.1:5.8	1:3.5:5.4	1:4.1:5.1	
	3 to 4	1:2.0:5.4	1:2.3:5.3	1:2.7:5.2	1:3.0:5.0	1:3.5:4.6	
	6 to 7	1:1.6:4.4	1:1.8:4.3	1:2.3:4.1	1:2.3:4.1	1:2.7:3.9	
	8 to 10	1:1.0:3.3	1:1.1:3.2	1:1.3:3.2	1:1.5:3.1	1:1.8:2.9	
No. 4 to 2 in	1/2 to 1	1:2.2:6.9	1:2.4:6.8	1:2.8:6.8	1:3.1:6.6	1:3.7:6.4	
	3 to 4	1:1.8:6.2	1:2.0:6.1	1:2.4:6.1	1:2.7:6.0	1:3.1:5.7	
	6 to 7	1:1.4:5.1	1:1.6:5.0	1:1.8:5.0	1:2.0:5.0	1:2.4:4.8	
	8 to 10	1:0.9:3.8	1:1.0:3.8	1:1.1:3.8	1:1.3:3.8	1:1.5:3.7	
3/8 to 1 in.....	1/2 to 1	1:2.8:5.2	1:3.1:5.1	1:3.6:4.8	1:4.2:4.6	1:4.8:4.1	
	3 to 4	1:2.4:4.5	1:2.6:4.5	1:3.1:4.3	1:3.6:4.0	1:4.1:3.6	
	6 to 7	1:1.9:3.9	1:2.1:3.7	1:2.4:3.6	1:2.8:3.4	1:3.2:3.1	
	8 to 10	1:1.3:2.8	1:1.4:2.8	1:1.6:2.7	1:1.9:2.6	1:2.2:2.4	
3/8 to 1 1/2 in.....	1/2 to 1	1:2.8:5.8	1:3.1:5.7	1:3.5:5.5	1:4.1:3.3	1:4.7:4.9	
	3 to 4	1:2.4:5.2	1:2.7:5.1	1:3.1:5.0	1:3.5:4.8	1:4.1:4.4	
	6 to 7	1:1.9:4.3	1:2.1:4.2	1:2.4:4.2	1:2.7:4.0	1:3.1:3.7	
	8 to 10	1:1.2:3.2	1:1.4:3.2	1:1.6:3.1	1:1.8:3.0	1:2.1:2.9	

PROPORTIONS FOR 1500 LB. PER SQ. IN. CONCRETE.

Size of coarse aggregate	Slump, in inches	Size of fine aggregate				
		O—No. 30	O—No. 16	O—No. 8	O—No. 4	O—3/8 in.
3/8 to 2 in.....	1/2 to 1	1:2.7:6.6	1:3.0:6.6	1:3.4:6.5	1:3.9:6.4	1:4.4:6.0
	3 to 4	1:2.3:5.9	1:2.6:5.9	1:2.9:5.8	1:3.3:5.6	1:3.7:5.5
	6 to 7	1:1.8:4.9	1:2.0:4.8	1:2.2:4.8	1:2.6:4.8	1:3.0:4.5
3/4 to 1 1/2 in.....	8 to 10	1:1.2:3.7	1:1.3:3.7	1:1.5:3.7	1:1.7:3.6	1:1.9:3.5
	1/2 to 1	1:3.2:5.4	1:3.6:5.3	1:4.1:5.1	1:4.7:4.8	1:5.3:4.4
	3 to 4	1:2.8:4.8	1:3.2:4.8	1:3.6:4.6	1:4.0:4.4	1:4.6:4.0
3/4 to 2 in.....	6 to 7	1:2.1:4.0	1:2.5:4.0	1:2.8:3.9	1:3.2:3.7	1:3.5:3.4
	8 to 10	1:1.5:3.0	1:1.7:3.0	1:1.9:2.9	1:2.2:2.8	1:2.5:2.7
	1/2 to 1	1:3.2:5.2	1:3.6:6.1	1:4.0:6.0	1:4.6:5.8	1:5.2:5.4
3/4 to 3 in.....	3 to 4	1:2.8:6.5	1:3.1:5.5	1:3.5:5.4	1:3.9:5.2	1:4.5:4.9
	6 to 7	1:2.1:4.5	1:2.4:4.6	1: 7:4.5	1:3.1:4.4	1:3.5:4.1
	8 to 10	1:1.4:3.4	1:1.6:3.4	1:1.8:3.4	1:2.1:3.4	1:2.4:3.3
3/4 to 3 in.....	1/2 to 1	1:3.2:7.1	1:3.6:7.1	1:4.0:7.0	1:4.6:6.9	1:5.2:6.6
	3 to 4	1:2.7:6.3	1:3.0:6.3	1:3.4:6.3	1:4.0:6.2	1:4.5:5.9
	6 to 7	1:2.1:5.1	1:2.4:5.2	1:2.7:5.2	1:3.1:6.1	1:3.5:4.9
8 to 10	1:1.4:3.8	1:1.6:3.6	1:1.8:3.9	1:2.1:3.9	1:2.4:3.8	

PROPORTIONS FOR 2000 LB. PFR SQ. IN. CONCRETE.

Size of coarse aggregate	Slump, in inches	Size of fine aggregate					
		O—No. 30	O—No. 16	O—No. 8	O—No. 4	O—3/8 in.	
None	1/2 to 1	1:2.2	1:2.6	1:3.0	1:3.5	1:4.1	
	3 to 4	1:1.9	1:2.2	1:2.6	1:3.0	1:3.5	
	6 to 7	1:1.5	1:1.7	1:2.0	1:2.3	1:2.7	
No. 4 to 3/4 in.....	8 to 10	1:1.0	1:1.1	1:1.3	1:1.6	1:1.8	
	1/2 to 1	1:2.1:3.8	1:2.3:3.7	1:2.6:3.5	1:3.0:3.1	1:3.6:2.8	
	3 to 4	1:1.7:3.3	1:1.9:3.2	1:2.2:3.1	1:2.6:2.8	1:3.0:2.4	
No. 4 to 1 in.....	6 to 7	1:1.3:2.7	1:1.4:2.6	1:1.7:2.5	1:1.9:2.3	1:2.3:2.1	
	8 to 10	1:0.8:1.9	1:0.9:1.9	1:1.0:1.8	1:1.2:1.7	1:1.5:1.6	
	1/2 to 1	1:1.9:4.5	1:2.2:4.3	1:2.5:4.2	1:2.8:3.9	1:3.4:3.6	
No. 4 to 1 1/2 in.....	3 to 4	1:1.6:3.9	1:1.8:3.8	1:2.1:3.7	1:2.4:3.5	1:2.8:3.2	
	6 to 7	1:1.2:3.1	1:1.3:3.1	1:1.5:3.0	1:1.8:2.9	1:2.1:2.7	
	8 to 10	1:0.7:2.2	1:0.8:2.2	1:1.0:2.3	1:1.1:2.1	1:1.3:2.0	
No. 4 to 2 in.....	1/2 to 1	1:1.9:5.0	1:2.1:4.9	1:2.4:4.9	1:2.7:4.6	1:3.2:4.4	
	3 to 4	1:1.6:4.4	1:1.7:4.3	1:2.0:4.2	1:2.4:4.0	1:2.7:3.8	
	6 to 7	1:1.1:3.5	1:1.3:3.5	1:1.4:3.5	1:1.7:3.4	1:2.0:3.2	
No. 4 to 2 1/2 in.....	8 to 10	1:0.7:2.5	1:0.8:2.5	1:0.9:2.5	1:1.0:2.4	1:1.2:2.3	
	1/2 to 1	1:1.7:5.8	1:1.9:5.7	1:2.1:5.8	1:2.4:5.6	1:2.8:5.5	
	3 to 4	1:1.4:5.0	1:1.5:5.0	1:1.8:5.0	1:2.0:4.9	1:2.3:4.7	
3/8 to 1 in.....	6 to 7	1:1.0:4.1	1:1.1:4.1	1:1.2:4.1	1:1.4:4.1	1:1.7:3.9	
	8 to 10	1:0.6:2.9	1:0.7:2.9	1:0.7:3.0	1:0.8:2.9	1:1.0:2.9	
	1/2 to 1	1:2.2:4.4	1:2.5:4.2	1:2.8:4.1	1:3.3:3.8	1:3.8:3.4	
3/8 to 1 1/2 in.....	3 to 4	1:1.9:3.8	1:2.1:3.1	1:2.4:3.6	1:2.8:3.4	1:3.2:3.1	
	6 to 7	1:1.4:3.1	1:1.5:3.0	1:1.8:3.0	1:2.1:2.8	1:2.4:2.5	
	8 to 10	1:0.9:2.2	1:1.0:2.2	1:1.1:2.2	1:1.3:2.0	1:1.5:1.9	
3/8 to 1 1/2 in.....	1/2 to 1	1:2.2:4.9	1:2.5:4.8	1:2.8:4.7	1:3.2:4.6	1:3.7:4.2	
	3 to 4	1:1.9:4.3	1:2.1:4.2	1:2.4:4.1	1:2.7:4.0	1:3.1:3.7	
	6 to 7	1:1.4:3.5	1:1.5:3.4	1:1.7:3.4	1:2.0:3.3	1:2.3:3.1	
8 to 10	1:0.9:2.5	1:1.0:2.5	1:1.1:2.4	1:1.3:2.4	1:1.5:2.3		

PROPORTIONS FOR 2000 LB. PER SQ. IN. CONCRETE.

Size of coarse aggregate	Slump, in inches	Size of fine aggregate				
		O—No. 30	O—No. 16	O—No. 8	O—No. 4	O—3/8 in.
3/8 to 2 in.....	1/2 to 1	1:2.1:5.6	1:2.3:5.5	1:2.6:5.5	1:3.0:5.4	1:3.5:5.1
	3 to 4	1:1.7:4.8	1:2.0:4.8	1:2.2:4.8	1:2.5:4.7	1:2.9:4.4
	6 to 7	1:1.3:4.0	1:1.4:3.9	1:1.6:3.9	1:1.8:3.9	1:2.1:1.8
	8 to 10	1:0.8:2.9	1:0.9:2.9	1:1.0:2.6	1:1.2:2.9	1:1.3:2.8
3/4 to 1 1/2 in.....	1/2 to 1	1:2.6:4.5	1:2.9:4.5	1:3.3:4.4	1:3.8:4.2	1:4.3:3.9
	3 to 4	1:2.2:3.9	1:2.5:3.9	1:2.8:3.8	1:3.2:3.6	1:3.6:3.3
	6 to 7	1:1.6:3.2	1:1.8:3.2	1:2.1:3.1	1:2.4:3.0	1:2.7:2.8
	8 to 10	1:1.0:2.3	1:1.2:2.3	1:1.4:2.2	1:1.6:2.2	1:1.8:2.1
3/4 to 2 in.....	1/2 to 1	1:2.5:5.2	1:2.8:5.2	1:3.2:5.1	1:3.6:5.0	1:4.1:4.7
	3 to 4	1:2.1:4.5	1:2.4:4.5	1:2.7:4.4	1:3.1:4.3	1:3.5:4.0
	6 to 7	1:1.6:3.7	1:1.8:3.7	1:2.0:3.7	1:2.3:3.6	1:2.6:3.5
	8 to 10	1:1.0:2.6	1:1.1:2.7	1:1.3:2.6	1:1.5:2.7	1:1.7:2.6
3/4 to 3 in.....	1/2 to 1	1:2.5:6.0	1:2.9:5.9	1:3.2:5.9	1:3.6:5.8	1:4.1:5.6
	3 to 4	1:2.1:5.1	1:2.4:5.2	1:2.7:5.2	1:3.1:5.1	1:3.5:4.9
	6 to 7	1:1.5:4.1	1:1.7:4.2	1:2.0:4.2	1:2.3:4.2	1:2.5:4.0
	8 to 10	9:1.0:2.9	1:1.1:3.0	1:1.3:3.0	1:1.5:3.0	1:1.7:3.0