

# ACI TEMPERATURE REINFORCING TABLE

*ACI 318-05 Building Code Requirements for Structural Concrete (Section 7.12.2)*

Slab Thickness	Reinforcing Bar Size						
	#3	#4	#5	#6	#7	#8	#9
	0.11 in2	0.20 in2	0.31 in2	0.44 in2	0.60 in2	0.79 in2	1.00 in2
3 in thick	15.0 in o/c	15.0 in o/c	15.0 in o/c	15.0 in o/c	15.0 in o/c	15.0 in o/c	15.0 in o/c
4 in thick	15.3 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
5 in thick	12.2 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
6 in thick	10.2 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
7 in thick	8.7 in o/c	15.9 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
8 in thick	7.6 in o/c	13.9 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
9 in thick	6.8 in o/c	12.3 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
10 in thick	6.1 in o/c	11.1 in o/c	17.2 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
11 in thick	5.6 in o/c	10.1 in o/c	15.7 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
12 in thick	5.1 in o/c	9.3 in o/c	14.4 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
13 in thick	4.7 in o/c	8.5 in o/c	13.2 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
14 in thick	4.4 in o/c	7.9 in o/c	12.3 in o/c	17.5 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
15 in thick	4.1 in o/c	7.4 in o/c	11.5 in o/c	16.3 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
16 in thick	3.8 in o/c	6.9 in o/c	10.8 in o/c	15.3 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
17 in thick	3.6 in o/c	6.5 in o/c	10.1 in o/c	14.4 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
18 in thick	3.4 in o/c	6.2 in o/c	9.6 in o/c	13.6 in o/c	18.0 in o/c	18.0 in o/c	18.0 in o/c
19 in thick	3.2 in o/c	5.8 in o/c	9.1 in o/c	12.9 in o/c	17.5 in o/c	18.0 in o/c	18.0 in o/c
20 in thick	3.1 in o/c	5.6 in o/c	8.6 in o/c	12.2 in o/c	16.7 in o/c	18.0 in o/c	18.0 in o/c
21 in thick	2.9 in o/c	5.3 in o/c	8.2 in o/c	11.6 in o/c	15.9 in o/c	18.0 in o/c	18.0 in o/c
22 in thick	2.8 in o/c	5.1 in o/c	7.8 in o/c	11.1 in o/c	15.2 in o/c	18.0 in o/c	18.0 in o/c
23 in thick	2.7 in o/c	4.8 in o/c	7.5 in o/c	10.6 in o/c	14.5 in o/c	18.0 in o/c	18.0 in o/c
24 in thick	2.5 in o/c	4.6 in o/c	7.2 in o/c	10.2 in o/c	13.9 in o/c	18.0 in o/c	18.0 in o/c

This table assumes that grade 60 reinforcing steel is used (60ksi).

This table still requires an engineer to apply these values correctly and in accordance with the governing building code.



ACI Minimum spacing requirements govern (Section 7.12.2.2)



Do not use! There is not enough concrete cover around the reinforcing bar (1.1/2" min)