

**INSULATION REQUIREMENTS FOR CONCRETE
SLABS PLACED ON THE GROUND**
Concrete at 50°F. placed on ground at 40°F.
No ground temperature gradient assumed

Slab thickness, ft.	Minimum air temperature allowable for these thicknesses of commercial blanket or batt insulation, deg. F.			
	0.5 in.	1.0 in.	1.5 in.	2.0 in.
Cement content — 300 lb. per cu. yd.				
0.333	—	—	—	—
0.667	49	47	44	42
1.0	43	33	22	12
1.5	33	12	-10	-33
2.0	24	-9	-43	-77
2.5	14	-31	-76	—
3.0	5	-52	—	—
Cement content — 400 lb. per cu. yd.				
0.333	—	—	—	—
0.667	46	40	32	26
1.0	37	22	5	-12
1.5	25	-5	-37	-68
2.0	13	-32	-78	—
2.5	1	-59	—	—
3.0	-11	—	—	—
Cement content — 500 lb. per cu. yd.				
0.333	—	—	—	—
0.667	42	32	21	10
1.0	32	10	-13	-35
1.5	17	-23	-63	-103
2.0	3	-55	—	—
2.5	-12	—	—	—
3.0	-27	—	—	—
Cement content — 600 lb. per cu. yd.				
0.333	50	50	48	48
0.667	39	24	9	-5
1.0	27	-1	-31	-59
1.5	10	-40	-90	-139
2.0	-8	-78	—	—
2.5	-25	—	—	—
3.0	-43	—	—	—