

# FORMING FACT



## BIERSCHBACH EQUIPMENT & SUPPLY

1101 S LYONS AVE  
SIOUX FALLS, SD 57106  
1-800-843-3707

3030 N PLAZA DRIVE  
RAPID CITY, SD 57709  
1-800-658-5437

2121 LEECH AVE  
SIOUX CITY, IA 51106  
1-800-243-3707

4001 MAIN AVE  
FARGO, ND 58103  
1-800-540-2760

### CONCRETE BASICS: PART 3 - RATE OF PLACEMENT

EXAMPLE: IN THE SUMMER, IF YOU PLACED YOUR CONCRETE AT 6'-0" PER HOUR AT 80°F., THE PRESSURE ON YOUR FORM WOULD BE 825LBS. PSF. IN THE WINTER, YOUR PLACEMENT SHOULD BE SLOWED TO 3'-0" PER HOUR ON A 40°F. DAY TO KEEP THE PRESSURE AT 825PSF. (SEE CHART)

RATE OF PLACEMENT, FT PER HR.	P. MAXIMUM LATERAL PRESSURE, PSF, FOR TEMPERATURE INDICATED					
	90F	80F	70F	60F	50F	40F
1	250	262	278	300	350	375
2	350	375	407	450	510	600
3	450	488	536	600	690	825
4	550	600	664	750	870	1050
5	650	712	793	900	1050	1275
6	750	825	921	1050	1230	1500
7	850	938	1050	1200	1410	1725
8	881	973	1090	1246	1466	1795
9	912	1008	1130	1293	1522	1865
10	943	1043	1170	1340	1578	1935

TABLE BASED ON FORMULAS DERIVED BY ACI COMMITTEE REFER TO "FORM WORK FOR CONCRETE" BY M.K. HURD

REMEMBER, CONCRETE SETS VERY SLOWLY IN COLD WEATHER, AND ADEQUATE TIME SHOULD BE ALLOWED FOR IT TO PROPERLY SET AND HARDEN BEFORE FORMS ARE REMOVED.