

Southwest Type 5MD™ Theoretical Density & Coverage Chart

Water/bag (gal.)		8.00		8.25		8.50		8.75		9.00		9.25		9.50		9.75		10.00		10.25		10.50	
Wet Den. (pcf)	Wgt L cup (gm.)	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.	Dry Den. (pcf)	Bd. Ft. Cov.
32	513	15.9	43.8	15.6	44.6	15.3	45.4	15.1	46.1	14.8	46.9	14.6	47.7	14.4	48.5	14.1	49.3	13.9	50.1	13.7	50.8	13.5	51.6
33	529	16.4	42.5	16.1	43.2	15.8	44.0	15.6	44.8	15.3	45.5	15.0	46.3	14.8	47.0	14.6	47.8	14.3	48.5	14.1	49.3	13.9	50.1
34	545	16.9	41.2	16.6	42.0	16.3	42.7	16.0	43.4	15.8	44.2	15.5	44.9	15.2	45.6	15.0	46.4	14.8	47.1	14.5	47.9	14.3	48.6
35	561	17.4	40.0	17.1	40.8	16.8	41.5	16.5	42.2	16.2	42.9	16.0	43.6	15.7	44.3	15.4	45.1	15.2	45.8	15.0	46.5	14.7	47.2
36	577	17.9	38.9	17.6	39.6	17.3	40.3	17.0	41.0	16.7	41.7	16.4	42.4	16.1	43.1	15.9	43.8	15.6	44.5	15.4	45.2	15.2	45.9
37	593	18.4	37.9	18.1	38.6	17.7	39.2	17.4	39.9	17.1	40.6	16.9	41.3	16.6	41.9	16.3	42.6	16.1	43.3	15.8	44.0	15.6	44.7
38	609	18.9	36.9	18.5	37.5	18.2	38.2	17.9	38.9	17.6	39.5	17.3	40.2	17.0	40.8	16.8	41.5	16.5	42.2	16.3	42.8	16.0	43.5
39	625	19.4	35.9	19.0	36.6	18.7	37.2	18.4	37.9	18.1	38.5	17.8	39.2	17.5	39.8	17.2	40.4	16.9	41.1	16.7	41.7	16.4	42.4
40	641	19.9	35.0	19.5	35.7	19.2	36.3	18.9	36.9	18.5	37.5	18.2	38.2	17.9	38.8	17.7	39.4	17.4	40.1	17.1	40.7	16.9	41.3
41	657	20.4	34.2	20.0	34.8	19.7	35.4	19.3	36.0	19.0	36.6	18.7	37.2	18.4	37.9	18.1	38.5	17.8	39.1	17.5	39.7	17.3	40.3
42	673	20.9	33.4	20.5	34.0	20.1	34.6	19.8	35.2	19.5	35.8	19.1	36.4	18.8	37.0	18.5	37.5	18.2	38.1	18.0	38.7	17.7	39.3
43	689	21.4	32.6	21.0	33.2	20.6	33.8	20.3	34.3	19.9	34.9	19.6	35.5	19.3	36.1	19.0	36.7	18.7	37.3	18.4	37.8	18.1	38.4
44	705	21.8	31.9	21.5	32.4	21.1	33.0	20.7	33.6	20.4	34.1	20.1	34.7	19.7	35.3	19.4	35.8	19.1	36.4	18.8	37.0	18.5	37.5
45	721	22.3	31.1	22.0	31.7	21.6	32.3	21.2	32.8	20.9	33.4	20.5	33.9	20.2	34.5	19.9	35.0	19.6	35.6	19.2	36.2	19.0	36.7
46	737	22.8	30.5	22.4	31.0	22.1	31.6	21.7	32.1	21.3	32.6	21.0	33.2	20.6	33.7	20.3	34.3	20.0	34.8	19.7	35.4	19.4	35.9
47	753	23.3	29.8	22.9	30.4	22.5	30.9	22.2	31.4	21.8	32.0	21.4	32.5	21.1	33.0	20.7	33.6	20.4	34.1	20.1	34.6	19.8	35.2
48	769	23.8	29.2	23.4	29.7	23.0	30.2	22.6	30.8	22.2	31.3	21.9	31.8	21.5	32.3	21.2	32.9	20.9	33.4	20.5	33.9	20.2	34.4
49	785	24.3	28.6	23.9	29.1	23.5	29.6	23.1	30.1	22.7	30.6	22.3	31.2	22.0	31.7	21.6	32.2	21.3	32.7	21.0	33.2	20.6	33.7
50	801	24.8	28.0	24.4	28.5	24.0	29.0	23.6	29.5	23.2	30.0	22.8	30.5	22.4	31.0	22.1	31.5	21.7	32.0	21.4	32.5	21.1	33.0
51	817	25.3	27.5	24.9	28.0	24.5	28.5	24.0	29.0	23.6	29.4	23.2	29.9	22.9	30.4	22.5	30.9	22.2	31.4	21.8	31.9	21.5	32.4
52	833	25.8	27.0	25.4	27.4	24.9	27.9	24.5	28.4	24.1	28.9	23.7	29.4	23.3	29.8	23.0	30.3	22.6	30.8	22.2	31.3	21.9	31.8
53	849	26.3	26.4	25.9	26.9	25.4	27.4	25.0	27.9	24.6	28.3	24.2	28.8	23.8	29.3	23.4	29.8	23.0	30.2	22.7	30.7	22.3	31.2
54	865	26.8	26.0	26.3	26.4	25.9	26.9	25.5	27.3	25.0	27.8	24.6	28.3	24.2	28.7	23.8	29.2	23.5	29.7	23.1	30.1	22.7	30.6
55	881	27.3	25.5	26.8	25.9	26.4	26.4	25.9	26.9	25.5	27.3	25.1	27.8	24.7	28.2	24.3	28.7	23.9	29.1	23.5	29.6	23.2	30.0
56	897	27.8	25.0	27.3	25.5	26.8	25.9	26.4	26.4	26.0	26.8	25.5	27.3	25.1	27.7	24.7	28.2	24.3	28.6	24.0	29.1	23.6	29.5
57	913	28.3	24.6	27.8	25.0	27.3	25.5	26.9	25.9	26.4	26.3	26.0	26.8	25.6	27.2	25.2	27.7	24.8	28.1	24.4	28.5	24.0	29.0
58	929	28.8	24.2	28.3	24.6	27.8	25.0	27.3	25.5	26.9	25.9	26.4	26.3	26.0	26.8	25.6	27.2	25.2	27.6	24.8	28.1	24.4	28.5
59	946	29.3	23.8	28.8	24.2	28.3	24.6	27.8	25.0	27.3	25.5	26.9	25.9	26.5	26.3	26.0	26.7	25.6	27.2	25.2	27.6	24.9	28.0
60	962	29.8	23.4	29.3	23.8	28.8	24.2	28.3	24.6	27.8	25.0	27.4	25.4	26.9	25.9	26.5	26.3	26.1	26.7	25.7	27.1	25.3	27.5

Areas highlighted in orange are below the minimum 15 pcf dry density.