

Table DT-1

Percolation Coefficient Calculations
(Commercial and Industrial Facilities)

Public Health Service Formula $C = \frac{5}{\sqrt{T}}$

Percolation Time Min/In	Sq Root of T	Sq Ft/Gal (Multiply)	Gal/Sq Ft (Divide)	Percolation Time Min/In	Sq Root of T	Sq Ft/Gal (Multiply)	Gal/Sq Ft (Divide)
T	\sqrt{T}	$\frac{\sqrt{T}}{5}$	$\frac{5}{\sqrt{T}}$	T	\sqrt{T}	$\frac{\sqrt{T}}{5}$	$\frac{5}{\sqrt{T}}$
5	2.236	.447	2.236	49	7.000	1.400	.714
6	2.449	.490	2.042	50	7.071	1.414	.707
7	2.646	.529	1.890	51	7.141	1.429	.700
8	2.828	.566	1.768	52	7.211	1.442	.693
9	3.000	.600	1.667	53	7.280	1.456	.687
10	3.162	.632	1.581	54	7.348	1.470	.680
11	3.317	.663	1.507	55	7.416	1.483	.674
12	3.464	.693	1.443	56	7.483	1.497	.668
13	3.606	.721	1.387	57	7.550	1.510	.662
14	3.742	.748	1.336	58	7.616	1.523	.657
15	3.873	.775	1.291	59	7.681	1.536	.651
16	4.000	.800	1.250	60	7.746	1.549	.646
17	4.123	.825	1.213	61	7.810	1.562	.640
18	4.243	.849	1.178	62	7.874	1.575	.635
19	4.359	.872	1.147	63	7.937	1.587	.630
20	4.472	.894	1.118	64	8.000	1.600	.625
21	4.583	.917	1.091	65	8.062	1.612	.620
22	4.690	.938	1.066	66	8.124	1.625	.615
23	4.796	.959	1.043	67	8.185	1.637	.611
24	4.899	.980	1.021	68	8.246	1.649	.606
25	5.000	1.000	1.000	69	8.306	1.661	.602
26	5.099	1.020	.981	70	8.367	1.673	.598
27	5.196	1.039	.962	71	8.426	1.685	.593
28	5.292	1.058	.945	72	8.485	1.697	.589
29	5.385	1.077	.929	73	8.544	1.709	.585
30	5.477	1.095	.913	74	8.602	1.720	.581
31	5.568	1.114	.898	75	8.660	1.732	.577
32	5.657	1.131	.884	76	8.718	1.744	.573
33	5.745	1.149	.870	77	8.775	1.755	.570
34	5.831	1.165	.857	78	8.832	1.766	.566
35	5.916	1.183	.845	79	8.888	1.778	.562
36	6.000	1.200	.833	80	8.944	1.789	.559
37	6.083	1.217	.822	81	9.000	1.800	.556
38	6.164	1.233	.811	82	9.055	1.811	.552
39	6.245	1.249	.801	83	9.110	1.822	.549
40	6.325	1.265	.791	84	9.165	1.833	.546
41	6.403	1.281	.781	85	9.220	1.844	.542
42	6.481	1.296	.771	86	9.274	1.855	.539
43	6.557	1.311	.763	87	9.327	1.865	.539
44	6.633	1.327	.754	88	9.381	1.876	.533
45	6.708	1.342	.745	89	9.434	1.887	.530
46	6.782	1.356	.733	90	9.487	1.897	.527
47	6.856	1.371	.729				
48	6.928	1.386	.722				