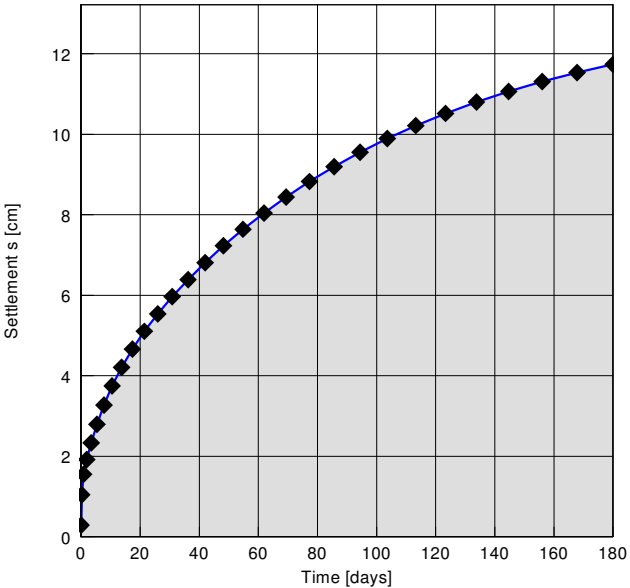
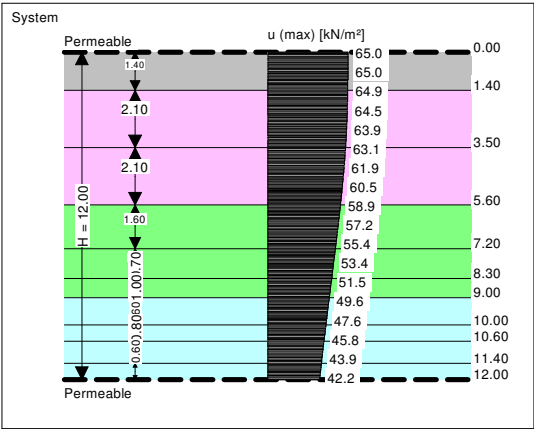
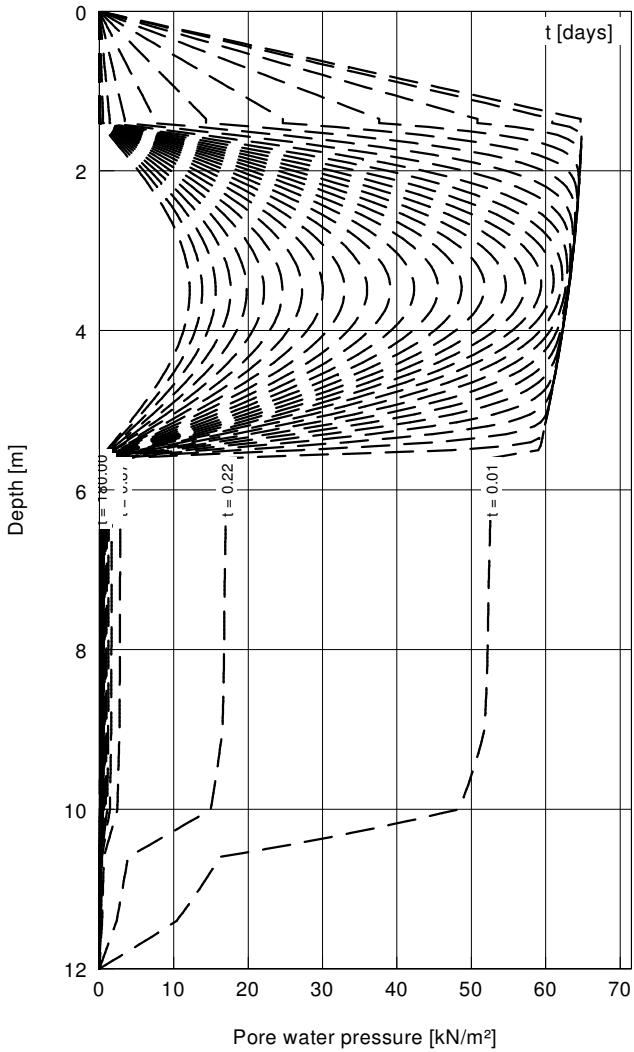


One-dimensional consolidation theory
 DW 483 - Bogumilowice - CPT_03
 Increment (depth) = 0.050 m
 Final settlement = 13.2 cm

Soil	E_s [kN/m ²]	k [m/s]	c_v [m ² /s]	Designation
	45500.0	$1.00 \cdot 10^{-5}$	$4.55 \cdot 10^{-2}$	nN[Pd] ID~0,55
	2200.0	$1.00 \cdot 10^{-9}$	$2.20 \cdot 10^{-7}$	T+//Pd
	2200.0	$1.00 \cdot 10^{-9}$	$2.20 \cdot 10^{-7}$	T//Pd
	28000.0	$5.00 \cdot 10^{-6}$	$1.40 \cdot 10^{-2}$	Pd/Ppi ID~0,35
	58500.0	$1.00 \cdot 10^{-5}$	$5.85 \cdot 10^{-2}$	Pd ID~0,55
	35000.0	$5.00 \cdot 10^{-6}$	$1.75 \cdot 10^{-2}$	Pd//Pg ID~0,45
	19200.0	$1.00 \cdot 10^{-6}$	$1.92 \cdot 10^{-3}$	Pg//Gp+//Pd IL~0,35
	27000.0	$1.00 \cdot 10^{-7}$	$2.70 \cdot 10^{-4}$	Gp//Pg IL~0,25
	42000.0	$1.00 \cdot 10^{-6}$	$4.20 \cdot 10^{-3}$	Pg//Pd IL~0,15
	30000.0	$5.00 \cdot 10^{-7}$	$1.50 \cdot 10^{-3}$	Pg/Gp IL~0,25

Time [days]	U [-]	s [cm]
0.01	0.022	0.3
0.22	0.079	1.0
0.87	0.118	1.6
1.94	0.145	1.9
3.43	0.177	2.3
5.36	0.211	2.8
7.71	0.248	3.3
10.50	0.284	3.7
13.71	0.319	4.2
17.35	0.353	4.7
21.41	0.386	5.1
25.91	0.419	5.5
30.83	0.451	6.0
36.18	0.483	6.4
41.96	0.515	6.8
48.16	0.547	7.2
54.80	0.578	7.6
61.86	0.609	8.0
69.35	0.639	8.4
77.27	0.668	8.8
85.62	0.696	9.2
94.39	0.723	9.6
103.60	0.749	9.9
113.23	0.773	10.2
123.28	0.796	10.5
133.77	0.817	10.8
144.69	0.837	11.1
156.03	0.856	11.3
167.80	0.873	11.5
180.00	0.888	11.7



One-dimensional consolidation theory
 DW 483 - Bogumilowice - CPT_07
 Increment (depth) = 0.050 m
 Final settlement = 7.6 cm

Soil	E_s [kN/m ²]	k [m/s]	C_v [m ² /s]	Designation
	42000.0	$1.00 \cdot 10^{-4}$	$4.20 \cdot 10^{-1}$	nN[Ps] ID~0,35
	18000.0	$1.00 \cdot 10^{-6}$	$1.80 \cdot 10^{-3}$	Pd//T ID~0,25
	2200.0	$1.00 \cdot 10^{-9}$	$2.20 \cdot 10^{-7}$	T//Pd
	58500.0	$5.00 \cdot 10^{-5}$	$2.93 \cdot 10^{-1}$	Pd/Ps ID~0,55
	110000.0	$5.00 \cdot 10^{-5}$	$5.50 \cdot 10^{-1}$	Pd/Ps ID~0,75
	72000.0	$5.00 \cdot 10^{-6}$	$3.60 \cdot 10^{-2}$	Pd/Ppi ID~0,65
	52000.0	$1.00 \cdot 10^{-5}$	$5.20 \cdot 10^{-2}$	Pd+//Pg ID~0,55

Time [days]	U [-]	s [cm]
0.01	0.099	0.7
0.22	0.127	1.0
0.87	0.162	1.2
1.94	0.198	1.5
3.43	0.235	1.8
5.36	0.273	2.1
7.71	0.310	2.3
10.50	0.347	2.6
13.71	0.385	2.9
17.35	0.423	3.2
21.41	0.460	3.5
25.91	0.498	3.8
30.83	0.535	4.1
36.18	0.572	4.3
41.96	0.609	4.6
48.16	0.644	4.9
54.80	0.679	5.1
61.86	0.712	5.4
69.35	0.743	5.6
77.27	0.772	5.9
85.62	0.799	6.1
94.39	0.825	6.2
103.60	0.848	6.4
113.23	0.869	6.6
123.28	0.887	6.7
133.77	0.904	6.9
144.69	0.919	7.0
156.03	0.932	7.1
167.80	0.943	7.1
180.00	0.953	7.2

