

### Example 3 – Coudekerque

**Table 1.** Mechanical properties of the soil.

Depth (m)	phi (°)	c (kPa)	w (%)	$\gamma_h$ (kN/m <sup>3</sup> )	$\gamma_d$ (kN/m <sup>3</sup> )
5.45	30.2	0	18.5	19.2	16.2
6.85	31.4	4	24.8	19.09	15.3
7.45	31.1	0	18.3	19.03	16.08
8.65	30.2	6	21	19.87	16.42
9	31.6	0	19.1		
10.3	31.7	4	21.2	18.56	15.31
11	30.2	2	22.2	18.6	15.22
12.85	32.1	5	20.7	19.22	15.93
14.6	30.2	5	20.3	19.31	16.05

c and phi measured with a shear box apparatus.



