

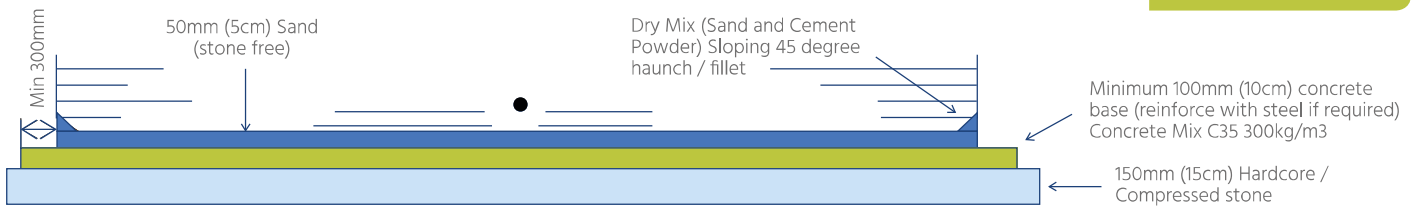
Tank Bases

(UK full concrete base requirement)

Concrete Base can be square, octagonal or round. The base must be a minimum of 600mm larger than the tank diameter. The surface should be level over it's entire surface and be reasonably flat (smoothing not necessary). The finished surface must be free from any sharp protrusions, crevasses or cracks, which over time could cause damage to the installed Tank liner.

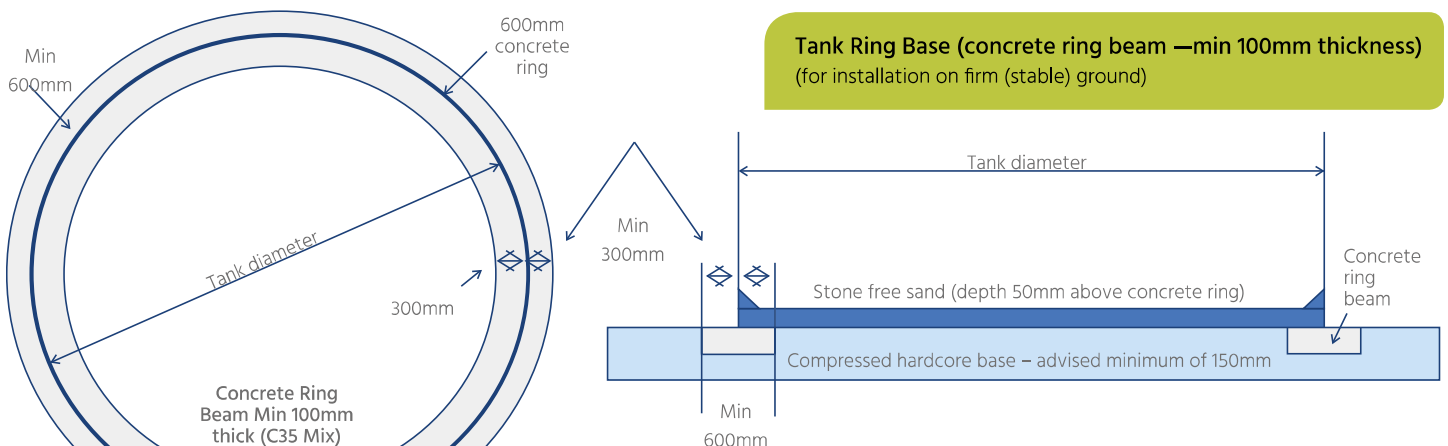
Drawing below shows the traditional method for cushioning of the liner. Other methods of cushioning the liner can be deployed, as advised in the storage tank installation manual. (eg. HD polythene sheet from the tank wall on to the base, with the sand on to the polythene sheet or the fitting of an overlapping layer of geotextile fleece, down from the tank wall across the entire tank base).

Base Requirements



Tank	Diameter	Minimum Base Size	Stone Free Sand Required
Metres	Feet	Feet Metres Square/ Round/Octagonal	Cubic Metres
2.74	9'	3.34	0.30m3
3.65	12'	4.25	0.53m3
4.57	15'	5.17	0.82m3
5.48	18'	6.08	1.18m3
6.40	21'	7.00	1.61m3
7.32	24'	7.91	2.10m3
8.23	27'	8.83	2.66m3
9.14	30'	9.74	3.28m3
10.06	33'	10.66	3.97m3
10.97	36'	11.57	4.73m3
11.89	39'	12.49	5.55m3
12.80	42'	13.40	6.44m3
13.71	45'	14.31	7.39m3
14.63	48'	15.23	8.41m3

Tank	Diameter	Minimum Base Size	Stone Free Sand Required
Metres	Feet	Feet Metres Square/ Round/Octagonal	Cubic Metres
15.54	51'	16.14	9.48m ³
16.46	54'	17.06	10.64m ³
17.37	57'	17.97	11.86m ³
18.29	60'	18.89	13.15m ³
19.20	63'	19.80	14.48m ³
20.12	66'	20.72	15.89m ³
21.03	69'	21.63	17.35m ³
21.94	72'	22.54	18.90m ³
22.86	75'	23.46	20.52m ³
23.77	78'	24.37	22.19m ³
24.69	81'	25.29	23.94m ³
25.60	84'	26.20	25.74m ³
26.52	87'	27.12	25.78m ³
27.43	90'	28.03	29.55m ³



Tank Ring Base (concrete ring beam —min 100mm thickness) (for installation on firm (stable) ground)

Note: For tanks to be installed where ground conditions are soft or unstable. The concrete ring beam should be expanded to a minimum of 1000mm in width and 150mm in depth. The hardcore infill may also require an increase in depth to 200mm.