

CONFIDENTIAL- for internal use only

Excerpt from PIT-test on NEO 15.000

EN 12566-3 Annex C.6, NEO 15000, Premier Tech Aqua GmbH, May 2017

2 Summary

The tank "NEO 15000" made of polyethylene with a total volume of circa 14,700 l and material weight of ca. 550 kg from Premier Tech Aqua GmbH passed the test of the structural behaviour according to EN 12566-3 C.6 (test in the testing pit). There was no loss of structural integrity (variation of volume = - 1.5 %) or a loss of watertightness detectable.

This report contains the proof for wet ground conditions but the manufacturer and the installer on site have to make sure that all actions are taken into consideration to avoid buoyancy.

4 Description of Test Object

- One tank with a total volume of approximately 14,700 l of Premier Tech Aqua GmbH
Name of the tank: NEO 15000
Name of the Range: NEO
- Material: Polyethylene
- Length = 8.00 m, width = 2.30 m, height up to shoulder = 1.20 m,
total height with extension shaft = 2.70 m
- Weight of the tank: ~550 kg as shown on Figure 2
- Maximum installation depth: At grade with top of the manhole (2.70 m from bottom of the tank up to ground level), applicable for wet ground conditions also



Figure 2: Tank before the test (without VS60 shaft)