



AUSTRALIAN MADE

TM

# Bloc

SEPTIC TANKS

# Installation Guide



CERTIFIED TO  
AS/NZS  
1546.1:2008  
CERTIFICATE NO.:  
L21373



FRECALL  
**1800 752 784**

[WWW.ORIONAUSTRALIA.COM.AU](http://WWW.ORIONAUSTRALIA.COM.AU)



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Check out  
my video online



## CHECK FIRST...

Read this manual thoroughly to ensure all procedures are understood and materials needed are available.

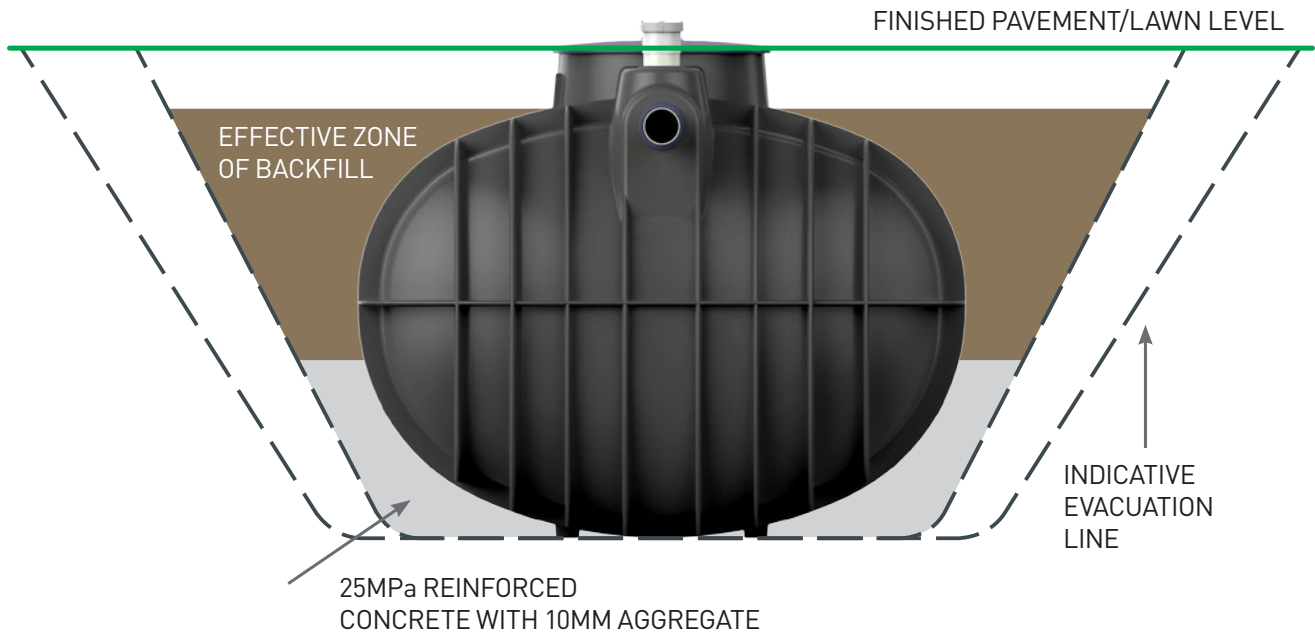
Consult with local council or regional authority for any applicable legislation or regulations in place before installing tank. Obtain all necessary permits.

1. Contact local relevant authorities before digging to locate all underground cables and pipes.
2. Determine the best location of the tank taking into account existing underground services, excavation required, location of blackwater run and heights into tank and outlet fall to drain.
3. Check the height of water table on property and determine ballast requirements for your particular installation.
4. Is the tank excavation hole required far enough away not to impact on foundations and adjoining structures?
5. Consult with geotechnical engineer if you have any questions about possible influence of excavation on surrounding structures.

# NEW DESIGN. BRILLIANT PERFORMANCE.

[www.orionaustralia.com.au/bloo-septic-tanks](http://www.orionaustralia.com.au/bloo-septic-tanks)

# INSTALLATION GUIDE...

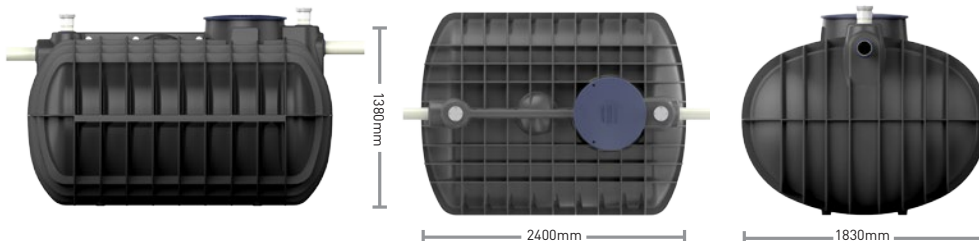


## STEP 1 Excavation

- Excavate hole according to dimensions of tank and in accordance with engineers report.
- Excavation slopes should be a minimum of 45°.
- Hole depth should be a minimum of 1530mm below finished pavement/lawn level.
- Remove all loose soil from base of hole and ensure base is firm, flat and level. If not setting the tank into concrete ballast, add 100mm of sand or crusher dust and compact to a firm level pad.
- Be aware of the safe working practice for working at depth.
- Hole dimensions at base should be a minimum of 2600x2050mm

## STEP 2 Positioning tank

- Using the three lifting points for stability, lift tank into place by use of a backhoe, excavator or crane.
- The tank has four feet – ensure the tank does not sink into loose soil of hole, chock if necessary.
- Using manhole for guide, level tank in both directions. Excavation drawing shown above is for illustration only.



## SPECIFICATIONS

- ✓ 3250L SEPTIC CAPACITY
- ✓ TESTED TO AS/NZS1546.1:2008
- ✓ LIFTING LUGS TO FACILITATE PLACEMENT
- ✓ LARGE INSPECTION OPENING

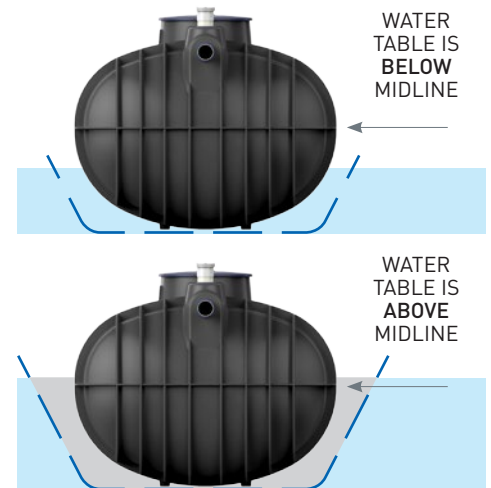
### STEP 3 Placing water in tank

When surrounding water table is **below** midline skirt of tank:

- Before backfilling, place a minimum of 1000 litres of water into tank.
- Water must only be poured in the tank immediately prior to backfilling.

When surrounding water table is **above** midline skirt of tank:

- It is strongly recommended that the tank is surrounded by concrete to a depth of 700mm. This will help to ensure that tank does not 'pop' out of the ground in the event of pump out when surrounding water table is high.
- When a large volume of concrete is being placed around tank, place a minimum of 2000 litres of water in tank to prevent tank movement.



### STEP 4 Placing concrete ballast around tank

To prevent flotation of tank in minimal ground water situations, place concrete ballast (minimum concrete strength to be 25MPa with 10mm aggregate to ensure no voids occur within the ribbed sections) around the base of the tank especially covering the tank protrusions at either end.

- It is recommended that concrete be reinforced with F72 trench mesh around all sides with 50mm cover when water level above midline skirt.

**MAKE SURE:** Where ground water or high water table exists de-watering of excavated hole must be maintained until backfilling is complete.

Even though concrete is not required in installations where the water table is below the midline skirt of tank, we recommend some concrete is used to safeguard against future presence of groundwater in the area.



### STEP 5 Backfilling

- The backfill material around the tank must be compacted evenly around in layers not exceeding 200mm. Use cohesionless soil (sand, crusher dust, 6mm FCR etc.) as a backfill material in the effective zone area as shown to the left.
- Tank to be backfilled within a few days of concrete being placed.



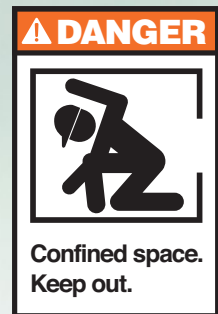
For enquiries relating to installation of BLOO™ Septic Tanks call the **ORION AUSTRALIA team on 1800 752 784**



# HEALTH & SAFETY

Much effort and thought has gone into the design of this product, and every precaution has been taken to ensure the customer's health and safety. The following points need to be carefully considered:

- Use a qualified plumber/installer to fit up tank.
- When lifting tank into place use the appropriate lifting lugs on the tank and lower evenly into hole. Don't manhandle tank into place or try lifting manually as injury could occur.
- Once installed, never leave tamper-proof lid off tank. This is a serious hazard to young children, personnel and animals, and could result in death by drowning.
- All Worksafe regulations and safe work procedures should be adhered to when installing your BLOO™ septic tank.



## IMPORTANT

It is the responsibility of the owner to ensure proper installation and maintenance of the underground tank. ORION AUSTRALIA P/L will not be held responsible for any loss, injury or death resulting from a failure to observe all safety and installation requirements or safe working procedures.

**BLOO™ Septic Tanks are fully designed and manufactured in Australia, using only high quality Australian sourced materials.**

# THANK YOU



Thank you for purchasing a BLOO™ Septic Tank.

The purpose of a BLOO™ Septic Tank is to provide a complete septic tank system which complies to Australian Standards, and gives you guaranteed performance.

## STRINGENT TESTING

Some of the stringent testing and standards we have complied to are listed below:

- Complies with AS/NZS1546.1:2008 for the construction of septic tanks.
- Tanks have been designed using engineering design methods including finite element analysis.
- By following the installation requirements, you will find this tank will give you many years of trouble free service.

## WARRANTY DETAILS

- For your peace of mind, BLOO Septic Tanks are covered by a 15 year pro-rata manufacturer's warranty.
- To validate your warranty all installation instructions must be strictly adhered to and the Acknowledgment and Release signed and returned to:  
ORION AUSTRALIA P/L,  
P.O. Box 105,  
DELORAINES TAS 7304

Please fill in the details below for your reference. If there is any claim under the provisions of the warranty this information must be provided to your ORION AUSTRALIA P/L Distributor.

BLOO™ Septic Tank serial no. \_\_\_\_\_

Attach your Original purchaser's invoice and Tradesperson installation certificate.

## ACKNOWLEDGMENT AND RELEASE

- The customer undertakes to install our underground tanks strictly to the manufacturer's directions, recommendations and specifications as contained in the Installation Manual accompanying the tank.
- In the event of any loss or damage sustained or suffered by the Customer of whatsoever kind or wheresoever situated in the installation of these tanks contrary to clause 1 above, the customer agrees that he/she shall not hold the manufacturer (ORION AUSTRALIA P/L) liable and acknowledges and accepts that the customer is wholly liable for such loss and damage and releases the manufacturer from any liability.

Dated this DATE day of MONTH 20YEAR

Signature of Customer \_\_\_\_\_

Please photocopy/fax this page and send signed form to:

ORION AUSTRALIA P/L  
(Head Office) P.O. Box 105  
DELORAINES TAS 7304

Ph: 03 6362 3148

Fax: 03 6362 2213



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**1800 752 784**

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