

BOYD BROS CONCRETE - SEPTIC TANK INSTALLATION & WARRANTY INFORMATION

Proper installation of all Boyd Brothers Concrete Products septic tanks, pump chambers, holding tanks and grit, oil and grease separators is absolutely critical for maintaining structural integrity and water tightness. Many of the issues experienced with leakage can be attributed to improper installation procedures. In addition to potential damage to the tank, improper procedures can be a safety hazard. All procedures stated herein will be required for warranty consideration; should it be proven that these procedures were not followed, any warranty will be void.

Warranty:

Boyd Brothers Concrete Products warranties all concrete products against manufacturing defects for a period of **One Year** from the date of purchase, with original invoice required to serve as proof. This warranty is limited to the supply of replacement product only, and may not be transferred to succeeding owners. Boyd Brothers Concrete Products will not be liable for any damages, problems, or expenses arising from inappropriate product use, modifications and/ or improper installation procedures in accordance with this document.

Site Conditions:

The installation site must be accessible by large trucks, weighing up to 40,000kg and most trucks will need to get within 10-15ft of the excavation to offload. The area should be free of trees, branches, overhead wires and building materials that could interfere with the delivery and placement of the tank(s). Should the site not meet the stated requirements, an alternative solution must be reached before delivery.

Excavation:

Prior to excavation, identify and mark all buried utilities. Excavations should be made with appropriate clearance on all sides. More space should be provided (as needed) if alternate work is required in the area. Excavations should be sloped to comply with construction safety requirements. Ensure that underlying soils are firm, stable, and level.

Bedding:

A good base should ensure that the tank would not be subject to adverse settlement. The minimum requirement for thickness of gravel or crushed stone is required, overlying a firm and uniform base- unless otherwise specified by site requirements. Under no circumstances should the tank bear on boulders, large rocks or edges. Sites with high water tables or poor soil conditions (silt, clay, etc...) must have specially designed bedding surfaces to ensure secure placement.

Tank Placement & Install:

Check that the bedding materials is level and ensure that the inlet pipe faces the residence and the outlet pipe is in line with tile bed, pump chamber or treatment system. For a septic holding tank, ensure outlet port is capped to prevent sewage from exiting tank. After tank placement, check again that the tank is level. The slope of the sewer line and tank elevation should meet local building and plumbing codes.

Pipe Connections: All Boyd Brothers Concrete Products septic tanks come pre-fitted with both inlet baffle and outlet effluent filter. Inlet is fitted with a 100mm sanitary tee baffle and outlet is fitted with NSF Certified Tuf-Tite® EF-6 Effluent Filter unless otherwise specified. Tuf-Tite® EF-6 Effluent Filter provides 1/16" particle size filtration and is suitable for Daily Flow of 5,670 L/day. Ensure all fittings are properly affixed in place using the provided gear clamps. Failure to use provided fittings and clamps properly could result in damage to the tank and void any warranty. Ensure that both baffles are accessible for maintenance and servicing through access openings.

Access Risers: All Boyd Brothers Concrete Products septic tanks and pump chambers manufactured after 2008 come with Tuf-Tite® 20" diameter access hatches cast integrally in the lid. Additional grade rings can be added to the hatches to raise final grade and must be done so in accordance with local building code requirements for grade elevations. Tanks purchased prior to 2008, where a recommendation is made to replace the existing lid, are able to be properly outfitted with a retrofit tank adapter lid, complete with Tuf-Tite® 20" diameter access hatch to bring opening to grade.

BOYD BROS CONCRETE - SEPTIC TANK INSTALLATION & WARRANTY INFORMATION

Joint Seals:

Care must be taken to ensure that tank sections installed on site have been properly sealed using industry approved, high quality joint sealant. Ensure risers and lids have been sealed properly to prevent any sort of infiltration. For risers housing electrical components, use the provided cord seals/ grommets to seal all components properly. Improperly sealed risers and lids can cause water leakage, or soil materials to enter the tank. Failure to properly seal joints, risers and lids using the provided materials, will void any tank warranty. Under NO circumstances shall the tank be adjusted once it is sealed together (ie. Moved with backhoe or nudged with bucket).

Backfilling:

Backfill should be placed in even, mechanically compacted layers. Do not backfill and compact one or two sides at a time; backfilling must be done uniformly all around the tank to avoid collapse. Excavated material may be reused for this purpose, but may not contain any large debris, or stones.

Maintenance:

A certain amount of maintenance is required, on an ongoing basis to ensure that the entire septic system is working correctly; this is the responsibility of the homeowner. The average Canadian household septic tank should be cleaned every 1-3 years. At this time, have your maintenance provider also clean the effluent filter. The filter cartridge must be pulled out of the sleeve and cleaned with a regular garden hose or pressure washer. Wash off any built-on sludge and re-insert cartridge back into sleeve. Typically, pumping is best scheduled for late spring or early fall, when the ground is drier. If basic maintenance is neglected, the outcome can be catastrophic.

Any questions or concerns regarding Boyd Bros Concrete- Septic Tank Installation & Warranty Information or to make a warranty claim please contact our office at:

Boyd Bros Concrete Products Inc:

5450 Cuddy St.

Osgoode, On

K0A2W0

Tel- 613-826-2318

TF- 1-888-846-6664

Fax- 613-826-3679

info@boydbrosconcrete.ca

www.boydbrosconcrete.ca