

**DART**  
CONCRETE LTD

**TANKS**

# Water Tank Maintenance Guide



# Routine Maintenance:

We recommend checking your Dart Concrete water tank every 6–12 months.

- **Sediment Inspection:** Look for sediment build-up and initiate the desludging process if sediment reaches a depth of 250 mm or impacts low-level outlets.
- **Valves & Fittings:** Ensure any valves, fittings, and seals are in good condition and free of leaks.
- **Openings:** Confirm that overflows, vents, or any other openings remain clear unobstructed.

## Why Regular Cleaning is Essential:

Regular cleaning of your water tank isn't just for aesthetic purposes; it's vital for maintaining the quality of the water and the tank's longevity. Consistent cleaning ensures:

- No foreign contaminants, such as dead animals, leaves or debris are present, preventing water contamination.
- Sludge doesn't build up, preventing the growth of harmful bacteria.
- The water remains clear and free from microorganisms.
- Potential tank issues, such as leaks or contamination risks, are identified and addressed promptly.

# Desludging Process:

Desludging is a crucial maintenance step to ensure the longevity and efficiency of your Dart Concrete water tank. Over time, sediment accumulates at the bottom of tanks, and it's vital to remove this build-up to prevent potential water contamination and maintain your tank's performance.

## **Drainage:**

Begin by draining the water from your tank. Depending on your tank's design and location, this may be achieved using gravity or might require the use of a pump.

## **Sediment Removal:**

Once emptied, any sediment and debris accumulated at the tank's bottom will be exposed. Using long-handled brushes or specialized equipment, scrub and remove the sludge and sediment.

Vacuuming might also be beneficial to ensure all fine particles are removed.

## **Surface Cleaning:**

After sediment removal, thoroughly clean all inner surfaces of the tank. This step helps remove any algae, mold, or other contaminants that might be clinging to the tank walls or ceiling.

## **Disinfection:**

To ensure all harmful micro-organisms are eradicated, apply a chlorine solution to all internal surfaces. Allow this to sit for a minimum of 6 hours. This step not only cleanses but also disinfects the tank.

## **Rinsing:**

After the disinfection period, it's crucial to flush out and thoroughly rinse the tank. This step ensures that no traces of chlorine or other cleaning agents remain.

## **Waste Management:**

The resultant waste, especially the chlorinated water, should be treated with care. Neutralize the chlorine waste with sodium thiosulphate. Avoid allowing it to enter stormwater systems or natural waterways. Instead, responsibly dispose of it over a lawn or open ground, where it can naturally degrade and filter through soil layers.

**Please Note:** While the desludging process can be undertaken by tank owners, it often involves specialized equipment and expertise. Consider reaching out to professional tank cleaning services to ensure a thorough and efficient process.

# Professional Cleaning Services:

Why Choose Professional Cleaning Services?

While tank maintenance can be a DIY task, there are undeniable advantages to calling the professionals:

- **Expertise & Equipment:** Professionals bring a wealth of experience and specialized tools, ensuring that every nook and cranny of your tank gets cleaned. They utilize advanced methods such as high-powered vacuuming and water blasting, ensuring a thorough cleanse.
- **Safety Assurance:** Handling chemicals, especially chlorine, can pose risks. Professionals ensure that chemicals are used correctly and disposed of safely, preventing any potential harm.
- **Water Retention:** Many professional services have the ability to retain a portion of the water during cleaning. This means you don't have to completely refill your tank after the process, saving you both time and resources.
- **Maintenance Plans:** Some professional services offer maintenance plans, setting a schedule for regular cleanings. This means less for you to keep track of and ensures your tank remains in top condition year-round.

For the long life of your Dart Concrete Tank and optimal water quality, considering a professional cleaning service is a smart investment.