

Pre-Installation Information (Must read before installation)

Application: All Models

Engineering & Construction Standards

CADE Aquariums are engineered using corrosion-resistant aluminium frames, high-grade Opti-Clear glass, and premium German WACKER® 121 Aquarium-grade silicone. Glass thickness exceeds minimum theoretical requirements to reduce panel deflection (bowing) and increase the structural silicone bonding area between panels, improving adhesion strength and long-term stability.

Accurate Levelling Is Critical

Rimless Aquariums rely entirely on the integrity of silicone seams for structural performance. If a cabinet is not level or the Aquarium base is unevenly supported, torsional stress may be introduced into the base panel. This may cause uneven load distribution and increased strain on bonded joints. Silicone is designed to operate within a neutral stress range; improper levelling may shift seams outside this range and introduce structural stress.

Structural Materials Notice & Responsibility

Aquarium systems are extremely heavy once filled. It is the sole responsibility of the installer or owner to ensure the floor or foundation is structurally capable of supporting the full system load. Homes built on timber stumps, piers, elevated joists, or suspended subfloors may be more prone to movement and require appropriate consideration. Installation constitutes acceptance of responsibility for the structural integrity and load-bearing capacity of the installation. Installation constitutes acceptance of responsibility for verifying the structural suitability of all aspects of the foundation related to the installation location.

Prohibited Practices (Void Warranty)

Shimming between the tank and cabinet. Shimming under the cabinet frame or adjustable feet. Any modification to the cabinet structure in any location that may affect structural integrity. Installation on temporary platforms or unstable surfaces.

Product Inspection Notice

The Aquarium and cabinet should be carefully inspected for damage/faults during unboxing prior to installation. Any damage identified after installation or after the aquarium has been filled with water may be considered installation or handling related and not a manufacturing defect.

Liability Disclaimer

This document applies to all countries in which CADE products are distributed and protects all authorised CADE distributors. Under no circumstances shall CADE, its distributors, retailers, or affiliates be liable for any indirect, incidental, or consequential damages, including but not limited to water damage, property damage, loss of livestock, loss of equipment, loss of use, or personal injury arising from the installation, use, or failure of the aquarium system. By proceeding with installation or use of this product, the installer and owner acknowledge that they have read, understood, and accepted the instructions, warnings, and limitations described in this document.

CABINET

Step 1 - Cabinet Positioning

Place the cabinet in its intended final location. Note that every vertical support bar has a levelling foot underneath.

Step 2 - Level Rear

Place a precision spirit level across the **rear** horizontal support frame. Adjust corner feet incrementally until the spirit level reads level. Adjust central rear feet to be level with the rear corner feet. To access rear feet temporarily move cabinet minimally off the wall to gain access.

Step 3 - Level Sides / Ends

Place the spirit level across the side/end horizontal supports (2 & 3). Adjust the front corner feet incrementally until the spirit level reads level.

Step 4 - Level Front

Place the spirit level across the front horizontal edge of the cabinet. Adjust all feet until level.

Step 5 - Eliminate Diagonal Torsion (Important)

Level diagonally across the top of the cabinet in both directions (5 & 6). Inconsistent readings indicate torsion. Adjust opposing feet gradually until consistent level readings are achieved.

Step 6 - Full Foot Engagement (Important)

Ensure that every adjustable foot, including the rear central feet is in firm contact with the floor and sharing load evenly. No foot should remain floating.

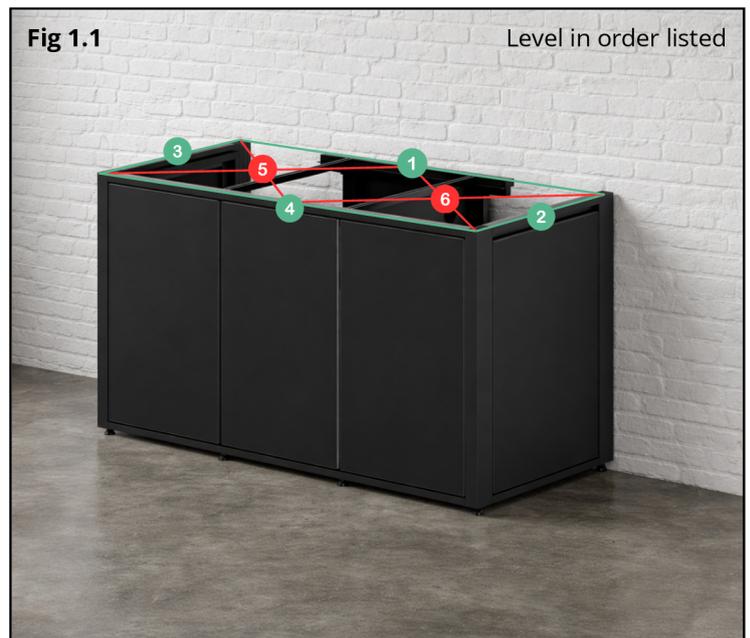
TOOLS



- Glass suction cup holders
- Spanner (21mm / 13/16" AF) or adjustable wrench
- High quality spirit level (Min. 90cm)
- Suitable amount of helpers

Fig 1.1

Level in order listed



**RAISE
CABINET**



**LOWER
CABINET**

TANK

Step 6 - Install Aquarium

Carefully lift the Aquarium tank onto the cabinet ensuring each corner aligns perfectly with each edge of the cabinet.

Note: We recommend using professional grade glass suction cup holders when installing the tank to ensure safe controlled placement and minimal handling stress.

Step 7 - Tank Levelling

Use a spirit level to check for even levelling along the top edges of the glass at the front, back, sides and diagonally as per instructed in Fig. 1.1.

Note: If the cabinet was levelled correctly it is expected that only minimal adjustments (if any) will be required. If adjustments are required follow the procedure as set out in Steps 2, 3, 4 & 5.



FILL TANK

Step 8 - Fill Tank & Re-check Levelling

After filling, the weight of the tank increases which may result in floor surface compression. Refer to *Structural Responsibility regarding floor strength & suitability*.

Re-check levelling as per Step 7. If levelling adjustments are required, minor adjustments may be made to accessible feet while the tank is filled with water. *Tip: On tile and floor boards, lubricate under feet to reduce load friction on feet.*

Important: It is important that the tank is fully supported around the entire perimeter and the foam mat is evenly compressed. The rear foam can be inspected from inside the cabinet. An evenly supported tank is critical to ensure elimination of excessive silicone bond stress.

Note: Excessive foam compression indicates that the area is carrying additional load. Visible gaps between the foam and tank indicates that area is not carrying any load. In both cases adjustments are required until the tank is evenly and fully supported. Remove tank and begin installation / levelling process again if necessary.



WARNING - Foam Compression

Uneven foam compression, or visible gaps between the foam and the tanks base, indicate uneven load distribution.

Operation must not continue until corrected or warranty is void.

FINAL CHECKS



Step 9 - Evaluate the Installation

Check your work to ensure that the installation was completed correctly. If so, the installation is now complete.

Step 10 - Ongoing Inspections.

Many floor surfaces can settle over time. To ensure the longevity of your CADE Aquarium, perform regular levelling and foam compression checks.