



Installation Guide for Precast Boat Ramps on Frozen Water



19 Riel Drive St. Albert
Alberta, T8N 3Z2

(780) 459-6695
sales@westconprecast.com

Step 1: Prepare the Installation Site

1. Lay Geogrid Textile Fabric:

- Roll out a geogrid textile fabric over the frozen ground where the boat ramps will be placed. This fabric provides a stable base, prevents shifting, and minimizes erosion once the ice melts.

Step 2: Assemble the First Boat Ramp Pair

1. Connect the Chains:

- Take two precast boat ramps and connect their chains securely. This ensures the sections are linked for easy placement and stability.

2. Position the First Pair:

- Place the first pair of connected boat ramps on land.
- Position them at the farthest point from the water where you want the ramp system to begin.

3. Align and Space:

- Space the two ramps 150 mm (6 inches) apart.
- Stretch the connecting chain tightly between the ramps to maintain the correct spacing.

Step 3: Continue Adding Ramp Sections

1. Connect Additional Ramps:

- Take the next two precast boat ramps and connect their chains to the stretched chain of the first pair already in place.

2. Align and Secure:

- Align the newly connected ramps in the same direction and spacing as the first pair.
- Ensure the ramps follow the natural slope of the shoreline for smooth transitions.

3. Repeat the Process:

- Continue placing pairs of boat ramps in this fashion, connecting each new section to the previously laid chain until the desired length of the ramp system is achieved.

Step 4: Work During Winter for Easier Placement

• Take Advantage of Frozen Conditions:

- Install the ramps during the winter when the lake is frozen. The frozen surface makes it easier to maneuver and position the ramps without the risk of sinking or shifting. Once the ice melts, the ramps will fall into place.

Step 5: Finalize the Installation in Spring

1. Inspect and Adjust:

- Once the ice and snow have melted, inspect the ramps for any movement or misalignment caused by the thaw.

2. Add Gravel for Stability:

- Lay gravel between the ramp sections to cover the connecting chains. The gravel provides additional traction, improves stability, and prevents the ramps from shifting under load.

**For inquiries,
contact us.**

westcon
precast inc.

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