

GABION MATTRESS

Installation

What You'll Need:

- Gabion mattress
- PVC coated tying wire
- Gabion stone
- Protective gloves
- Wire cutters
- Geotextile (optional)

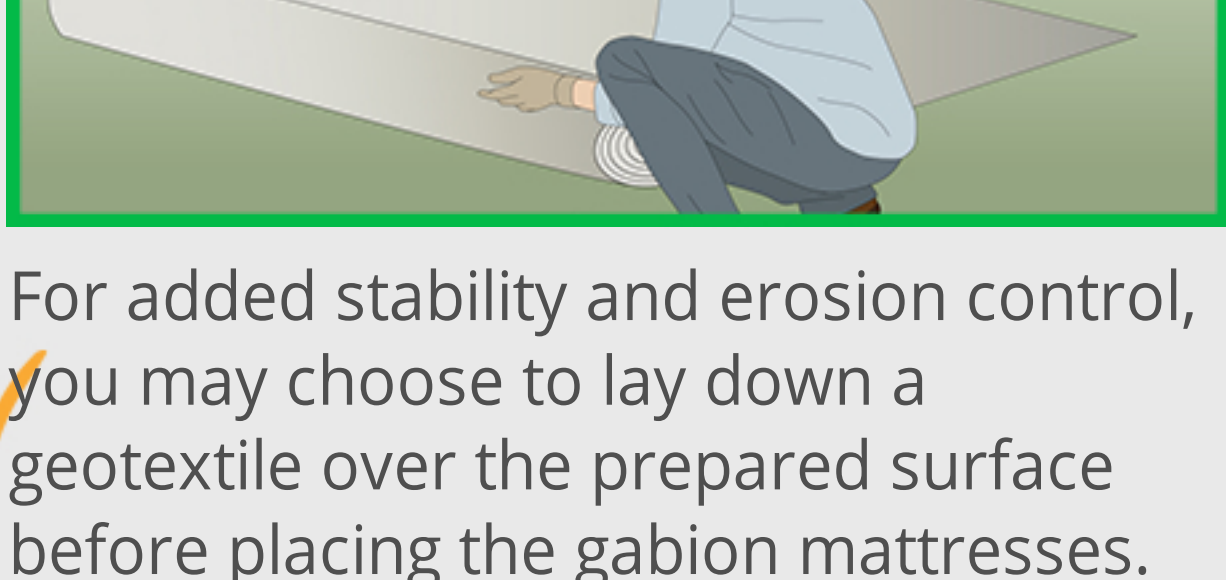
1 Prepare the Foundation



In the process of gabion mattress installation, start by preparing the area.

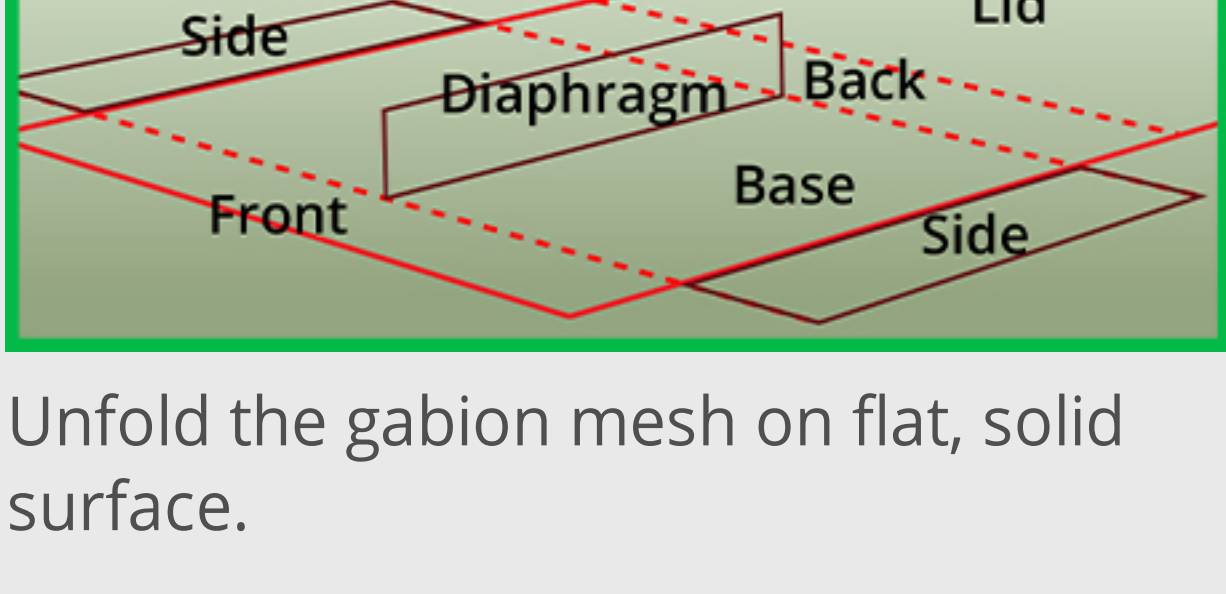
Remove any debris and make sure the surface is even and firmly compacted to create a solid foundation for the cage.

2 Add Geotextile (Optional)



For added stability and erosion control, you may choose to lay down a geotextile over the prepared surface before placing the gabion mattresses.

3 Unfold the Mattress

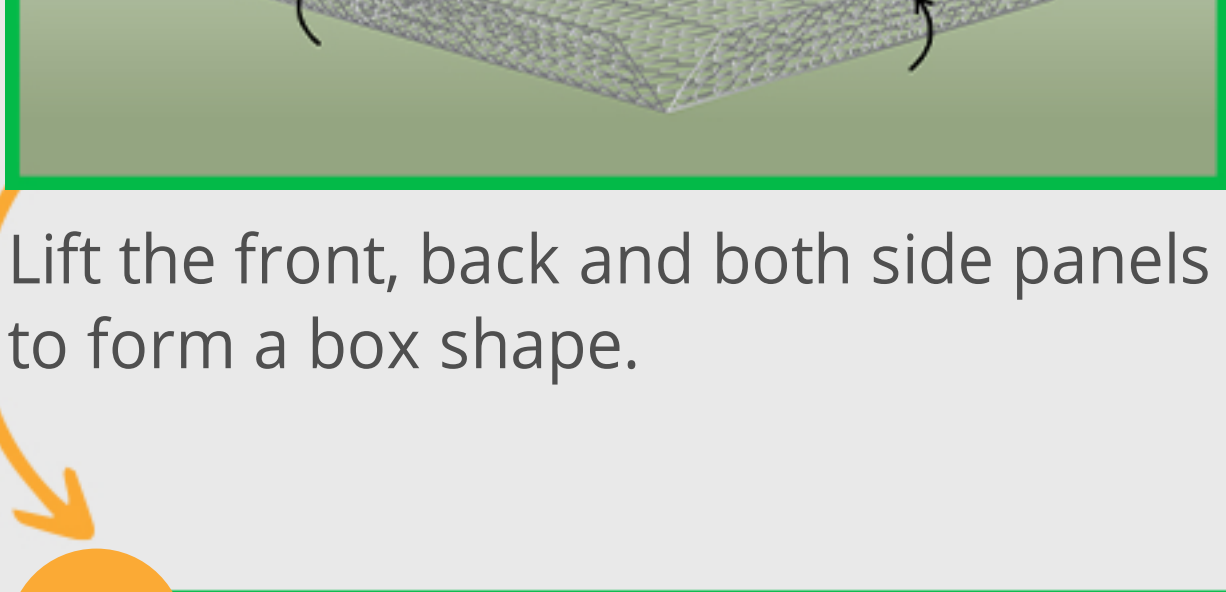


Unfold the gabion mesh on flat, solid surface.

The base, ends (front, back, and lid) are constructed from a single continuous piece of material.

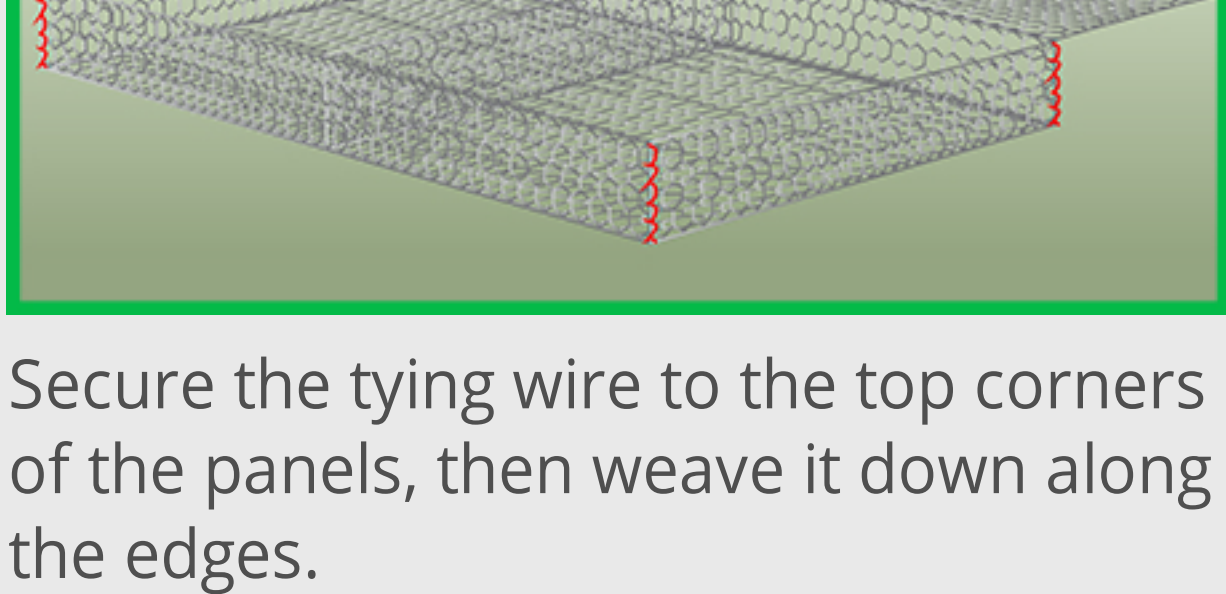
The two sides and diaphragm(s) are secured to the base using a full length of tying wire.

4 Assemble Gabion Mattress



Lift the front, back and both side panels to form a box shape.

5 Secure with Tying Wire

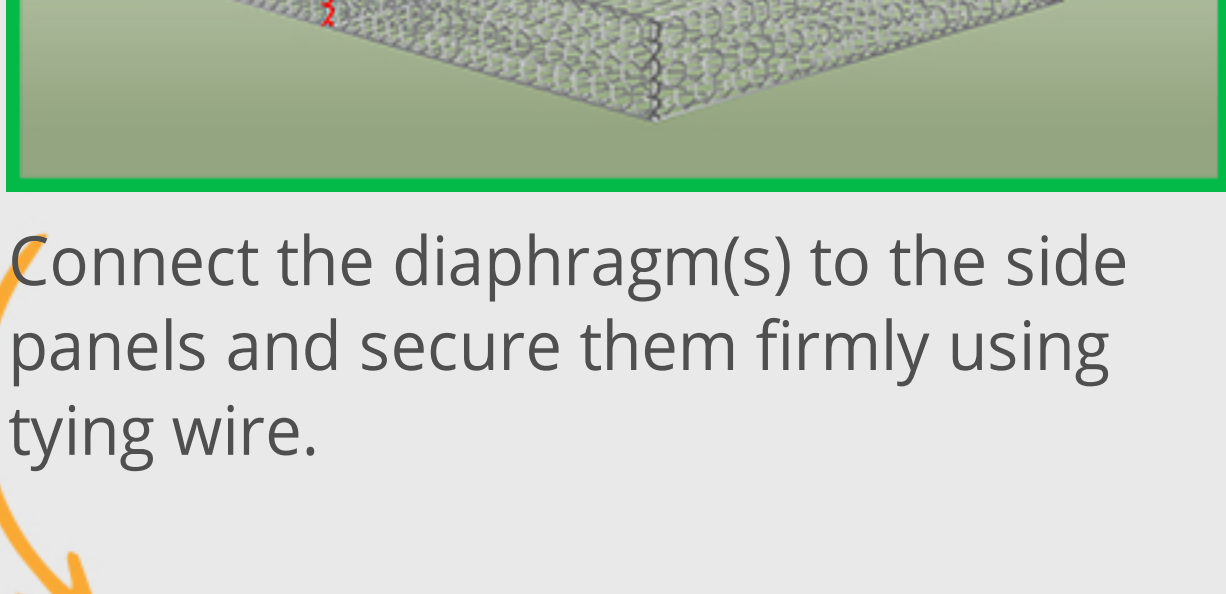


Secure the tying wire to the top corners of the panels, then weave it down along the edges.

Use double and single loops spaced approximately 10cm apart along the wire mesh openings.

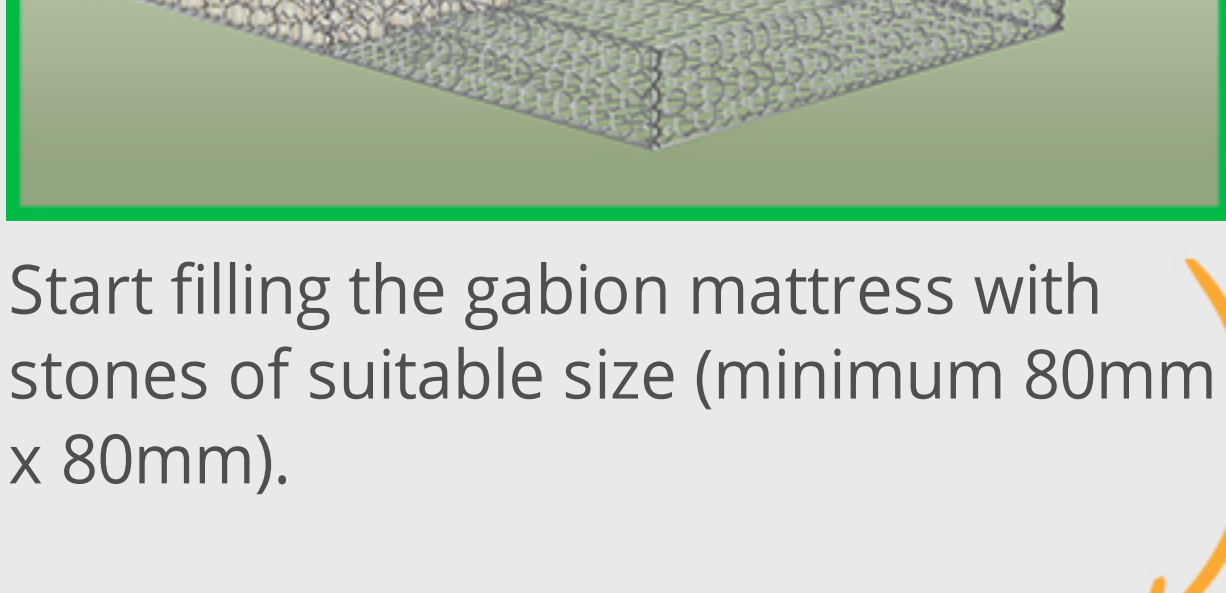
Alternatively, use C-rings to fasten the panels.

6 Secure the Diaphragm



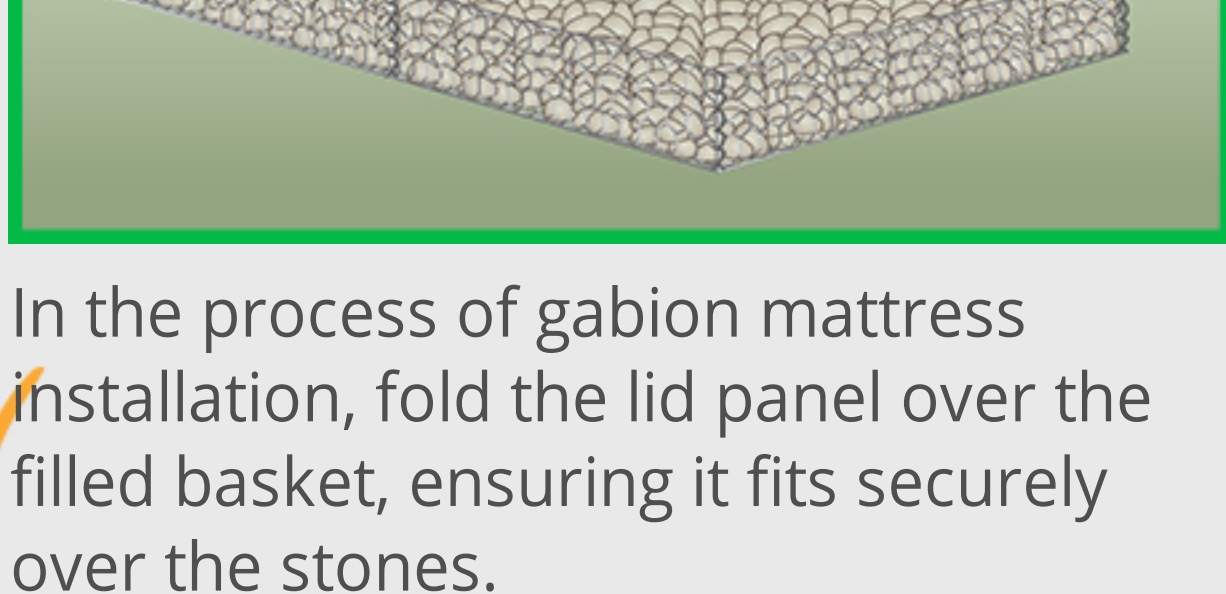
Connect the diaphragm(s) to the side panels and secure them firmly using tying wire.

7 Fill with Stone



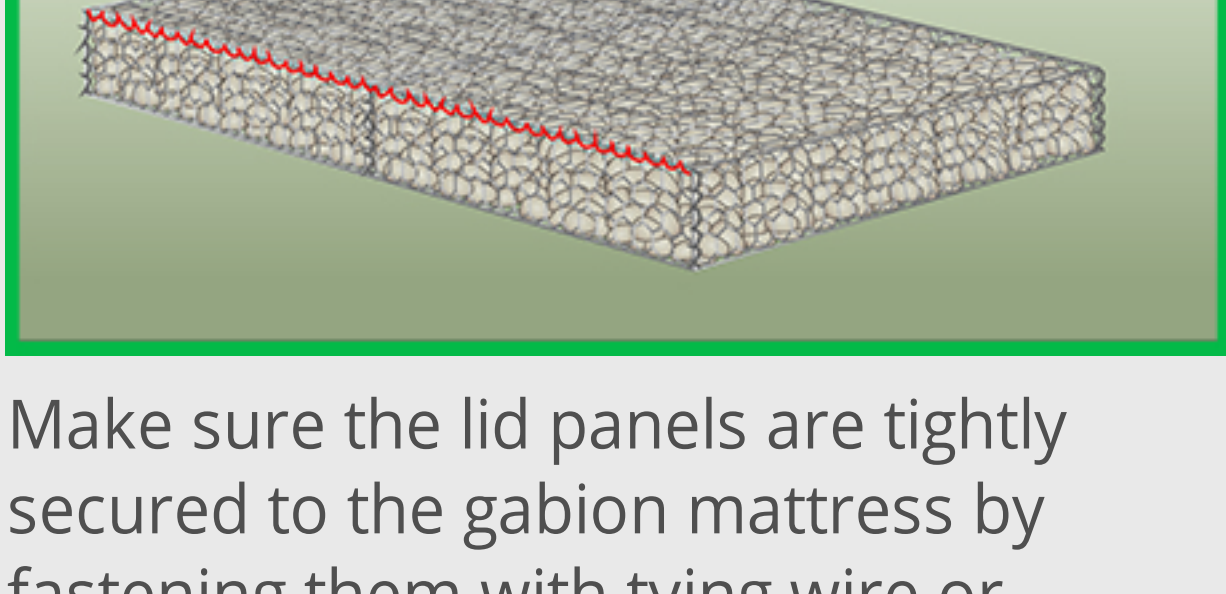
Start filling the gabion mattress with stones of suitable size (minimum 80mm x 80mm).

8 Close the Lid



In the process of gabion mattress installation, fold the lid panel over the filled basket, ensuring it fits securely over the stones.

9 Attach the Lid



Make sure the lid panels are tightly secured to the gabion mattress by fastening them with tying wire or C-rings, following the same method used for the edges.