GABION RETAINING WALL
Step by Step

What You'll Need

- Gabion
- Shovel
- Protective Gloves
- Tying Wire
- Geotextile
- Gabion Stone
- Gravel
- Compactor
- Level

1 Mark Area

Mark the location where you plan to place your gabion wall. Use a string, paint, rocks or alternative materials.

2 Dig

Retaining walls under 2m can be placed on a shallow base. Dig a trench 70cm wide and subsoil the first 70cm. Regulations require starting construction at least 70cm below the ground level.

3 6 Degree Slope

When retaining a significant amount of soil, add a slope the hole features a 6-degree slope leaning backward.

Add Gravel 4

Add a layer of gravel or basecourse. Measuring 20cm on top of the soil.

5 Compact Gravel

Compact the gravel by walking and stomping on it.

Geotextile 6

Apply a geotextile or weed mat to the floor of the gabion baskets to prevent soil and debris accumulation behind the wall.

7 Unfold the Baskets

Unfold the gabion baskets, lifting the sides.

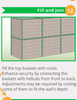
Join the Cages 8

Assemble the gabion baskets, following the instructions.
Ensure the lids are included in the kit.

9 Fill with Stone

Use the stone of your choice to fill the gabions.

Close Lids 10



Close your baskets, folding down the lids.

11 Add Second Row

Position the second row of baskets directly above the first row, connecting them together using helicals.

Fill and Join 12

Fill the top baskets with rocks, efficiently securing by connecting the baskets with helicals from front to back. Adjustments may be required by cutting some of them to fit the wall's depth.

13 Finished project

Your 2m gabion retaining wall is finished!

GABION FREESTANDING WALL
Step by Step

What You'll Need

- Gabion baskets
- Shovel
- Tying wire
- Gabion stone
- Protective gloves
- Basecourse
- Geotextile
- Wire cutters
- Compactor
- Spray paint
- Shovel
- Tying wire
- Level

1 Measure and Plan

Start by planning your freestanding structure and measuring the area.

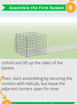
Mark the Location 2

Mark the location where you plan to build with spray paint, stones or other materials.

3 Dig a Base

In case of 2m high structure, dig a 20cm deep base or until you reach firm ground.

Add Geotextile 4



Apply a geotextile on the base to prevent weeds from growing up and disrupt your baskets.

5 Add Basecourse

Add 20cm of gravel or basecourse on the top of the geotextile.

Compact the Base 6

Compact the basecourse well using a hand tamper or a plate compactor, depending on your base size.

7 Lay it Flat

Lay the basket flat on the ground.

Assemble the First Basket 8

Unfold and lift up the sides of the basket.

Then, start assembling by securing the first side and the front side. Use the adjacent corners tape for now.

9 Repeat and Join Corners

Repeat the process for the other cages.

Use helicals to secure each corner and where the corners connect.

Fill with Stone 10

Fill the cages with stones.

11 Close Lids

Fold the lids down to close the baskets.

Secure Lids for 1m Walls 12

For a 1m structure, you can secure the lids with helicals to finish it.

For taller installations, leave them unsecured for now.

13 Add a Second Layer

Place the second layer of baskets on top of the first.

Connect them with helicals at the front, sides, and back.

Fill with Stone 14

Fill the top baskets with stones.

15 Close and Secure the Lids

Then close the lids and secure them with helicals.

Finished Project 16

Your freestanding gabion wall is complete.