How to Use Gabion Backfilling Panels

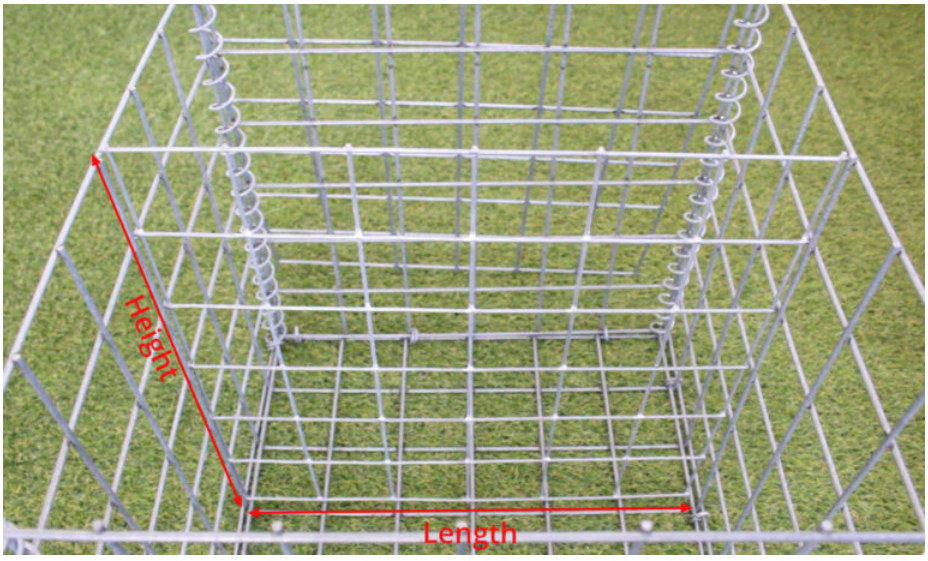
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Below you will find a step-by-step guide on how to use gabion backfilling panels.



- **Experience Required:** Low
- **Tools Required:** Protective gloves, Wire cutter
- **Materials Required:** Gabion cages, Backfilling panel, lacing wire

Step 1) Select the Right Panel



- To select the appropriately sized panel, simply measure the length and height of the gabion you plan to use.
- This will determine the length and height of your backfilling panel.

Step 2) Position the Panel



- Place the partition inside the gabion, positioning it at the centre of the basket's depth.

Step 3) Secure the Panel at the Top



- Start securing the partition to the top of the gabion mesh on both sides using the lacing wire included with your basket.

Step 4) Continue Securing



- Continue securing the panel with the lacing wire, working your way down until you reach the bottom.

Step 5) Cut Off the Excess Wire



- Use wire cutters to cut any excess lacing wire once the panel is fully secured.

Step 6) Fill the Back Compartment



- Start filling the back compartment with inexpensive rubble.

Step 7) Fill the Front



- Fill the front compartment with decorative stone.

Step 8) Ensure Both Compartments are Filled



- Once both compartments are filled, ensure the gabion is stable and securely fasten the lid to complete the installation.

Benefits

- Can be used to fill the back of the baskets with inexpensive rubble, reducing the overall cost.
- Requires less decorative stone to fill the gabion.
- Reduces pressure on the walls of the basket.
- Enables both hand laying and machine filling.

Tips & Warnings

After installing backfilling panels multiple times, we gathered some tips and warnings, which we've compiled into the list below to help make this guide more useful.

- When considering how to use backfilling panels, choose the appropriate panel size by measuring the length and height of the basket you plan to use.
- Fill the front compartment with either granite or limestone, depending on your preference.
- You can fill the back compartment with any material, as long as the pieces are larger than 75mm.
- For larger projects and structural retaining walls, you should use only engineer-approved stone to ensure the stability of the cage walls.

FURTHER READING

- How To Assemble Gabion Baskets – Step by step instructions on how to assemble gabion baskets.
- How to Lace Gabion Baskets – Learn how to lace wire cages using different methods.
- How to Fill Gabions – A guide showing you how to fill cages.

Videos

Video: Watch the video on YouTube

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Written By

This blog was created by Timi with the help of Erno, who assembled the gabion. Take a look at some other examples of gabion backfilling panels being used for saving on the cost of filling the baskets with stones.

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  Showing how to save money on filling gabions by using stone separating panels and filling half of it with rubble.

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Behind the scenes of Erno filling the other half of the gabion also showing how to hand-fill correctly.