



Installation Methodology

1. Site preparation

Ensure that the site is ready for installation with sufficient manpower, raw material supplies, and available space. While completing the initial earth-work and excavation, remove in-situ soils that are unacceptable for StrataWeb®. Throughout the construction, make sure to keep the drainage requirements in mind..



1 Site preparation

2. Foundation excavation

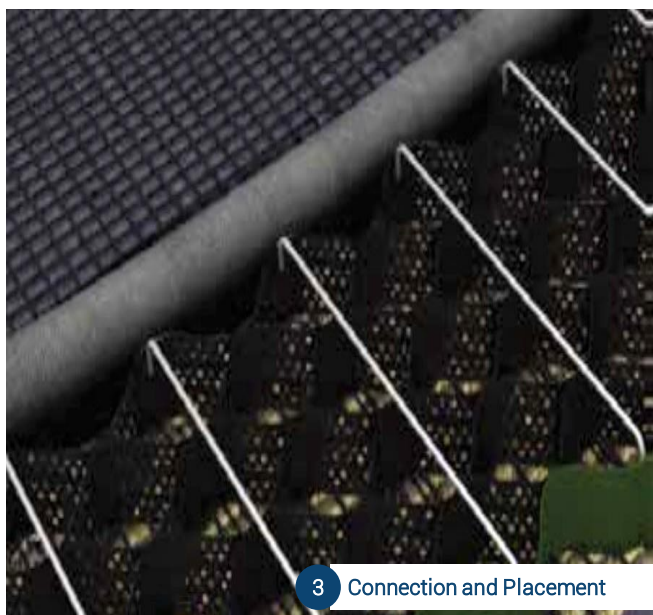
The foundation for the StrataWeb® should be excavated in accordance with the provided design. The bearing capacity of the foundation is critical in the design.



2 Foundation excavation

3. Drainage and separation

Ensure sufficient drainage as per designs. Separations should be provided where specified.



3 Connection and Placement

4. StrataWeb® Placement

Place the StrataWeb® panels in the excavated foundation. Fit the panels into the foundation using steel bars. Based on the length of the geocell panels and the desired installation speed, ensure that:

- Accurate number of steel placement bars are available
- The steel bars are correctly configured



5. Infilling

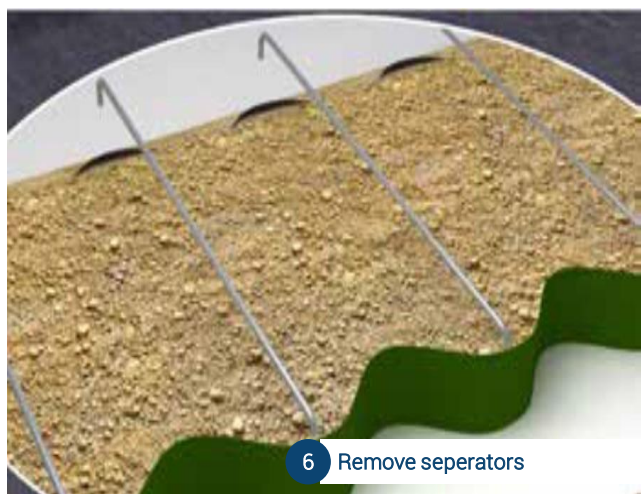
Fill the StrataWeb® cells with the specified infill material using conventional equipment



6. Remove separators

Remove the steel placement bars once the StrataWeb® cells have been filled.

NOTE: Remember to complete this step for each subsequent StrataWeb® layer.



7. Compaction using hand roller

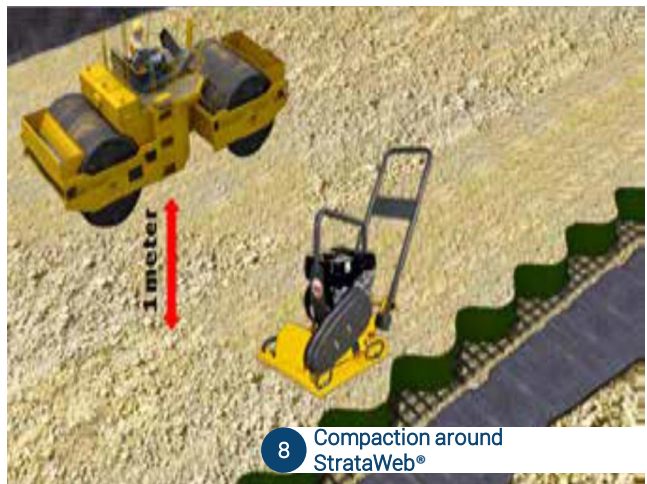
Using a hand roller, compact the area above the StrataWeb® panels and the closely surrounding area to fill the excavated foundation.



7 Compaction using hand roller

8. Compaction using heavy roller

Use the heavy roller to compact the area further away from the StrataWeb®. The heavy roller should not be used within 1m of the StrataWeb®



8 Compaction around StrataWeb®

9. Scrape of excess material

After achieving required compaction, scrape out the excess infill to make the surface flat for placement of the StrataGrid™.



9 Scrape of excess material

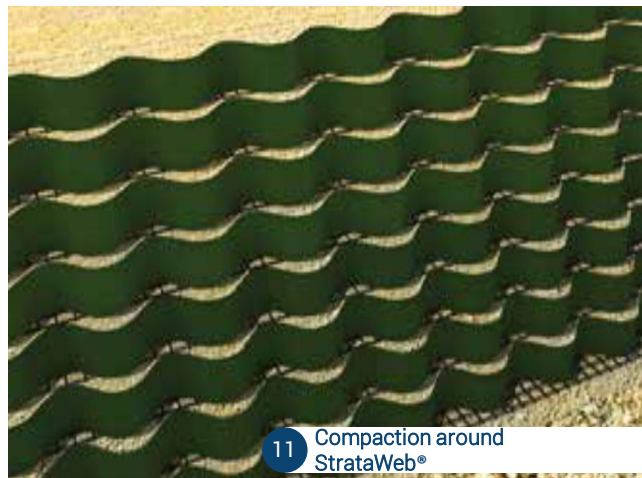
10. Lay the StrataGrid™

Once you have flattened the surface, lay the StrataGrid™ by covering the outermost StrataWeb® cell and inwards towards the slope.



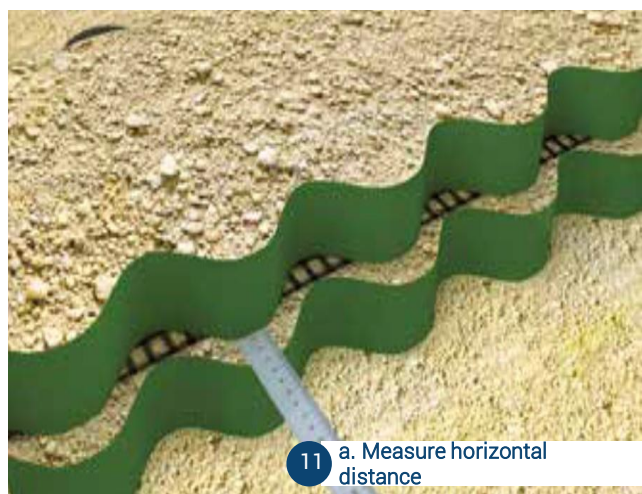
11. Subsequent layers of StrataWeb®

The method to lay the subsequent StrataWeb® layers is explained in the next two steps:



11 a. Measure horizontal distance

The measurement between each layer of StrataWeb® is critical to the application. While positioning the subsequent layers, cell to cell alignment needs to be maintained. Follow the provided design and measure the distance between the edge of the lower cell and the edge of the upper cell. Measure the distance at several locations along the panel.



11 b. Measure horizontal distance

The vertical alignment of each panel is very important. Ensure the weld to weld placement and cell to cell placement is consistent across all layers





Thank you



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