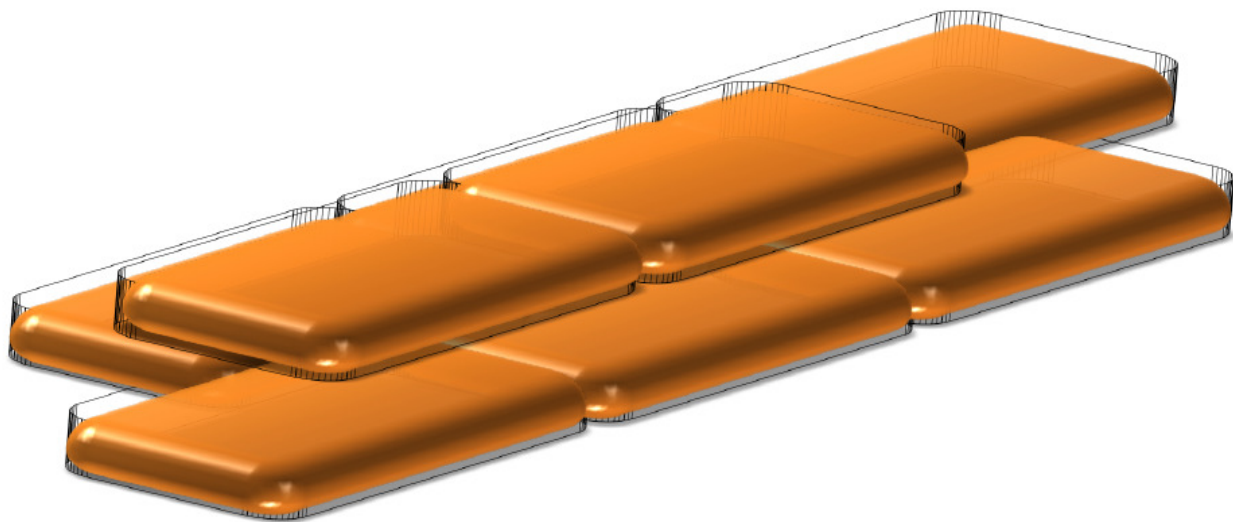


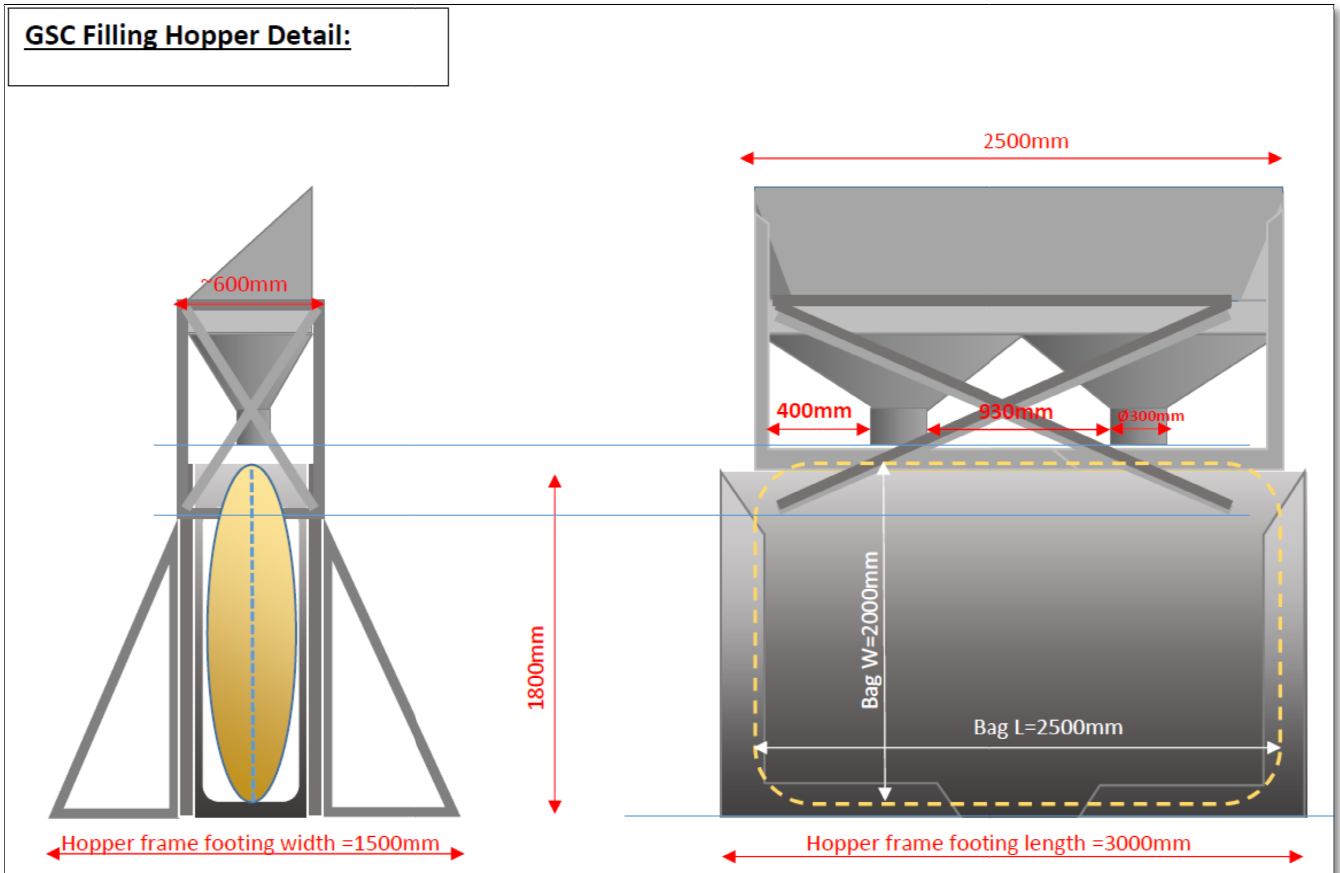
FIBERTEX NON WOVENS FIBERROCK GEOSYNTHETIC SAND CONTAINER

**Filling & Installation
Method statement**



Method statement: Fibertex Geosynthetic Sand Container (GSC)**Products needed for GSC filling and installation:**

- Fibertex FiberRock Geocontainer bags and carrier straps
- Clean filling sand and source of water (*pumped or scooped seawater is also suitable*)
- GSC Filling frame and Filling hopper (*Please Note: this is the contractors responsibility to secure this plant*)

**Empty GSC Handling :**

- Fibertex GSC product are supplied in compacted stacked formation on pallets and film wrapped before shipping.
- Care should be taken when removing the film wrapping and strapping from the wrapped pallet. (*No sharp blades should be used to avoid possible damage to GSC fabric*)
- Unpack and layout GSC bags on flat surface.
- Insure all components of GSC package are present: Complete GSC order/ Filling port rope (*if needed*)

FiberRock GSC Product Storage:

- Even though Fibertex FiberRock GSC products are highly durable, care should be taken when stored before application to avoid possible construction damage. Always store under cover in a secured area.
- Ensure products are stored away from excessive heat and open fire.
- Ensure products are stored away from other chemicals (*Acids and Alkalis*)

Filling Sand:

- Ensure a clean source of permeable sand (beach sand) is available for filling GSC bags
- Ensure sand is free from debris and other possibly damaging objects

FiberRock GSC Filling:

- Place Carrier strap in filling frame at a distance >600mm from the edge of the filling frame
- Place empty Fibertex FiberRock GSC in the filling frame, ensure filling ports are facing upwards
- Place filling hopper on top of filling frame
- Join filling ports to filling hopper funnels, ensure strap is secure around filling funnel

Hydro filling (Slurry pump):

- By using a slurry pump, simply suck saturated beach sand and feed through to GSC hopper
- If needed, wash down sand in hopper with water (*scooped or hose fed*)
- Ensure bag is optimally filled, when sand reached top of filling port after washing in sand with water
- Close filling port by machine or hand sewing ensuring no open gaps, roll filling port into GSC opening and close with filling port rope

Filled FiberRock GSC Handling:

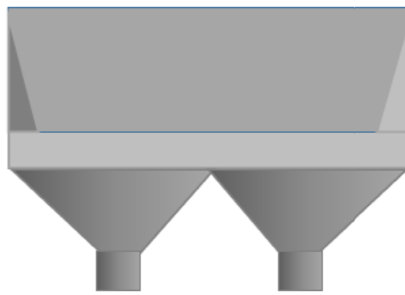
- Ensure all strap loops are secure hooked around carrier plant (excavator/ loader) bucket teeth.
- Ensure FiberRock GSC bag is free from and obstructions before commencing lift procedure
- Gently lift FiberRock GSC bag out of filling frame in a directly upward motion.
- Once suspended and FiberRock GSC has cleared the filling frame, carrier plant can reverse from filling frame

Filled FiberRock GSC Transport:

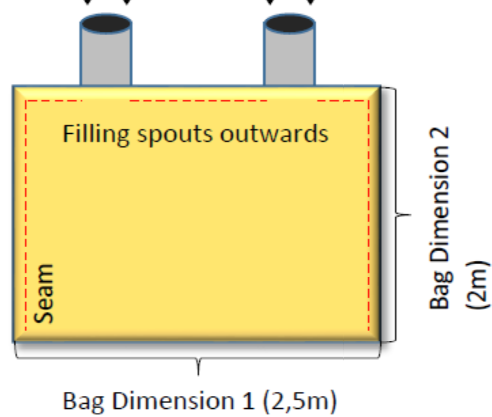
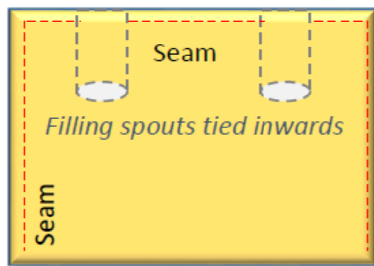
- FiberRock GSC can be transported to site of placement via carrier plant (excavator/loader)

Fibertex Geocontainer Filling Details

Filling Hopper Detail:

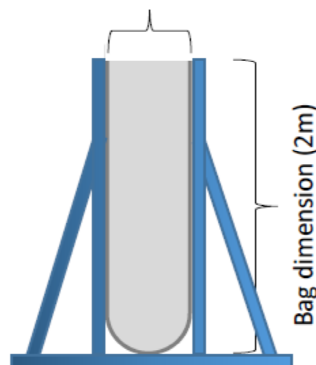


GeoContainer Bag Detail:



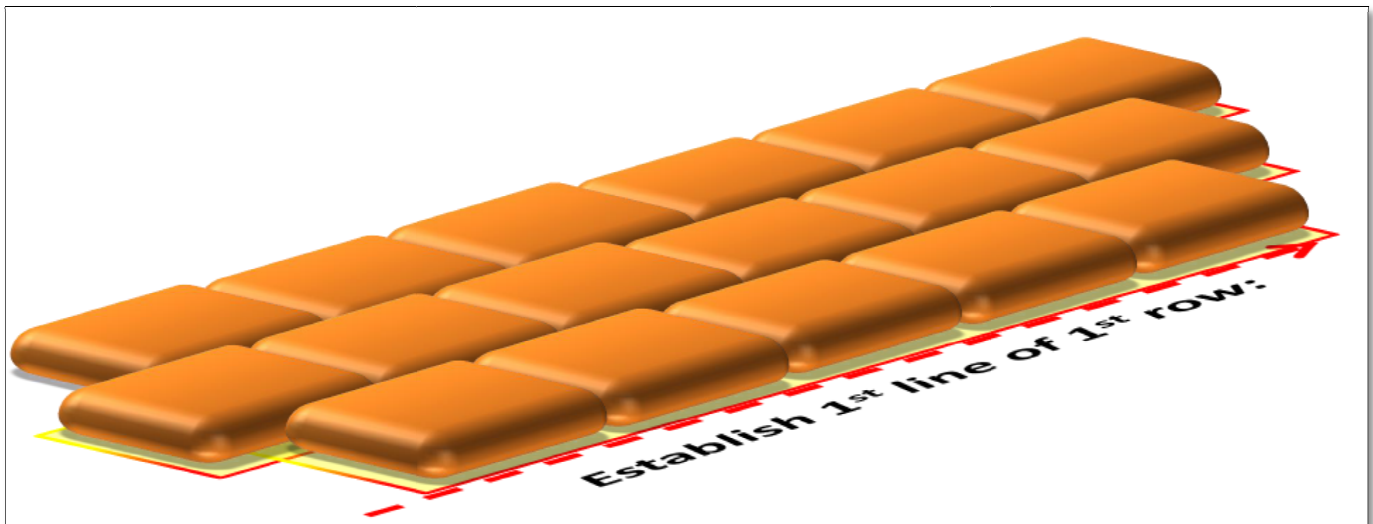
Hopper Filling Frame Detail:

Frame width approx.
500mm -600mmm

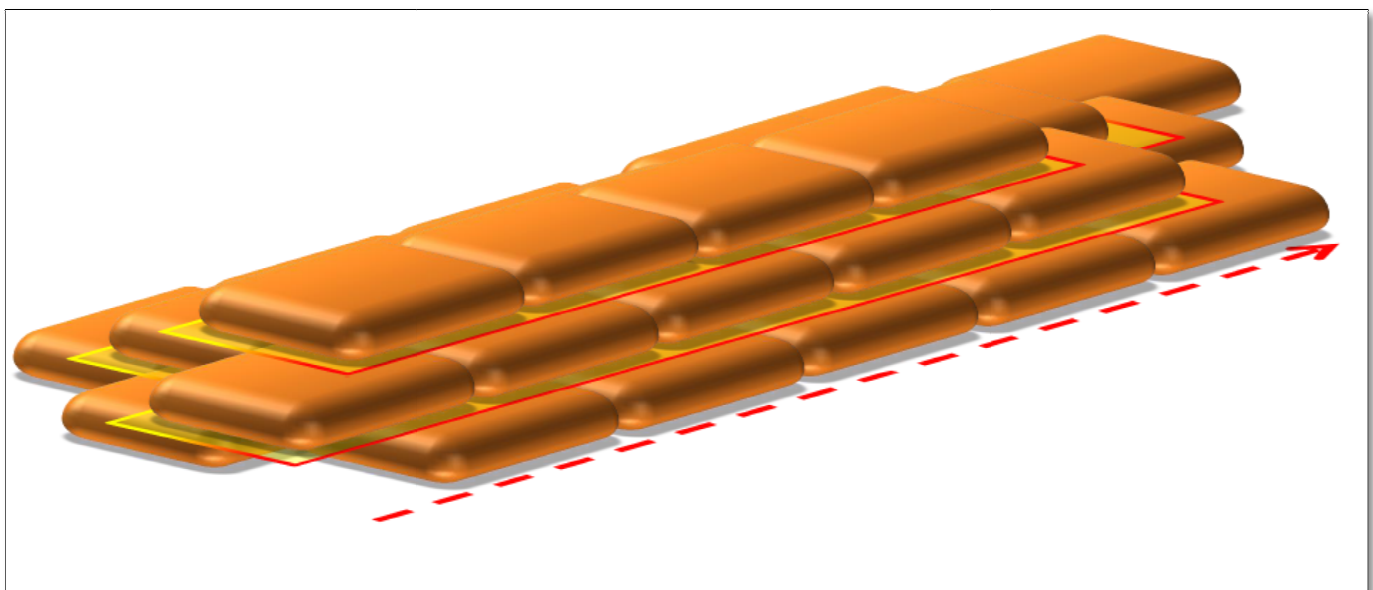


Filled FiberRock GSC Placement:**Pioneer 1st line of 1st row:**

- Ensure designated placement area is clearly demarcated
- Establish and place first line (downstream face) of GSC structure, by gently lowering GSC onto beach, ensuring all adjacent GSC bags are well aligned and in close contact with each other. Avoid gaps between adjacent GSC bags as this might cause future structural instability

**Placement of 2nd line of 1st row:**

- Place the next (2nd) line directly in close contact with the 1st line, ensuring a staggered formation between the first and 2nd lines to avoid GSC bag joint alignments, that could allow for future structural instability



Placement of 3rd line and any further base rows:

• Place the next line of GSC bags directly in close contact with the previous line, ensuring a staggered formation between the current and previous lines to avoid GSC bag joint alignments, that could allow for future structural instability

IMPORTANT NOTES:

- Always wear protective gloves when handling and strapping Fibertex 250V GSC bags to avoid injury
- For optimum performance, always ensure bags are optimally filled as described earlier
- To avoid damage to Fibertex 250V GSC, do not drop bags during placement
- No direct vehicle traffic allowed on filled or empty Fibertex 250V GSC bags

The above recommendations have been offered in good faith and to the best of our basic knowledge of the site conditions. It is the engineer's responsibility to approve the appropriateness of these materials and to sign off on their use in the works. Fibertex South Africa will not be held responsible nor be liable in any manner whatsoever should the materials be later deemed ineffective.

Assuring you of our best service at all times.

Kind Regards

Gerard Dirks
Technical Manager FIBERTEX South Africa

SUPPLIERS OF GEOSYNTHETIC PRODUCTS:

Non-woven Geotextiles • Woven Geotextiles • Geogrids • HDPE Slotted & Unslotted Pipe • HDPE Pipe Fittings • Cellular Confinement Systems • Composite Drainage Systems • Gabions and Mattresses • Erosion Control Blankets