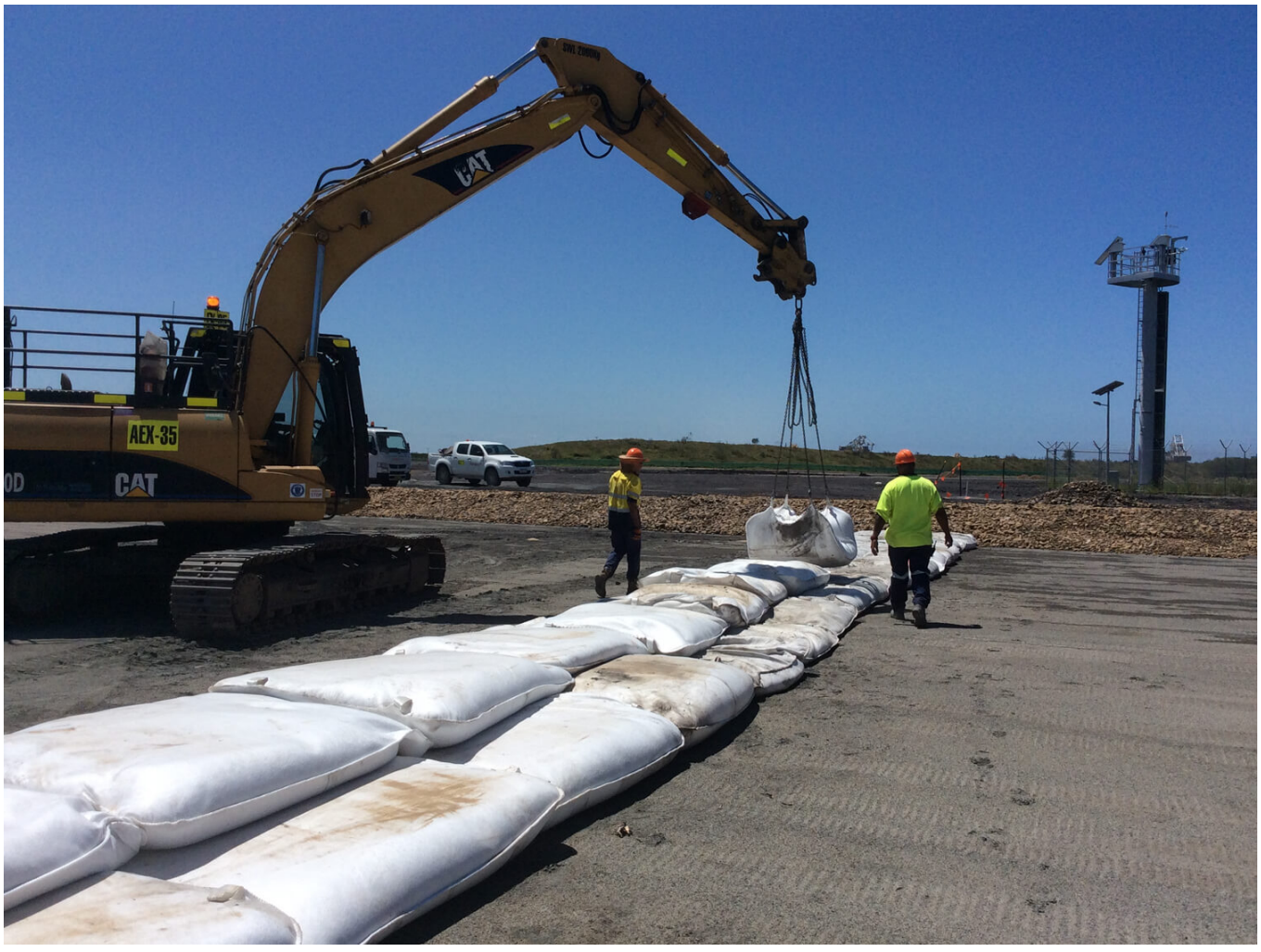
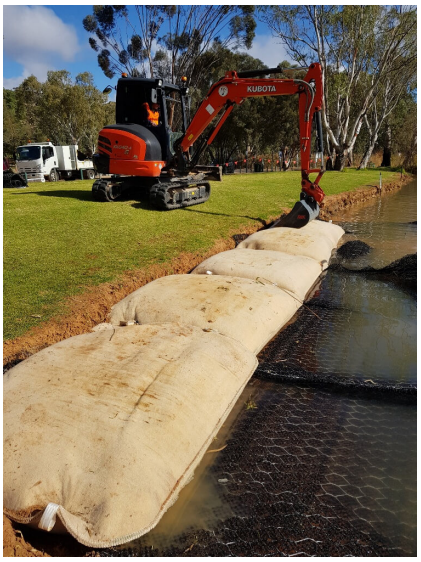
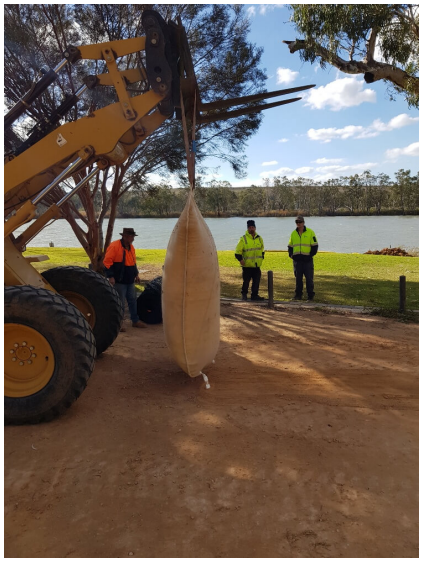
TerraTex® GSC Sand Filled Geotextile Containers

Product Images







Short Description

Geotextile sand containers (GSC) are sand-filled container, manufactured from geotextiles and used for coastal structures, dune security and scour protection. An alternative to conventional rock materials.

Description

Geotextile Sand Containers

TerraTex Geotextile Sand Containers (GSC) are large mechanically-filled containers. Due to their size, mass and stability under dynamic hydraulic conditions, GSCs are used in coastal and groyne construction applications.

Filling & Closure of a Geotextile Sand Container

Training on correct GSC filling and deployment technique can be provided.

For volume installations, a frame is provided by Polyfabrics to enable rapid filling of the GSCs. Approved fill is then loaded to the recommended level (not less than 80% of capacity).

To ensure the GSC retains its form & shape, and to reduce the strains put on the geotextile and seams, filling should be done close to the installation site. This is to minimize handling of the product.

Closure of the 0.75m3 GSC is by the dual process – the filling tube is rolled up, tied off and pushed into the body of the GSC. The main closure then entails threading a polyester cord, through pre-made holes in the container, lacing the two faces together and tying it off securely.

Placement

The 0.75m3 GSCs are placed using suitable equipment so as not to distort the GSC during relocation from the filling station to the placement position, utilizing an excavator or other capable equipment.

The 0.75m3 GSCs have four lifting points to minimise the distortion and ease installation placement.

The amount of handling shall be minimized so as to ensure the GSC retains its form and shape and to reduce the strains put on the geotextile and seams.

Equipment used must be suitable to prevent puncturing of the GSC's. Suitable temporary protection should be installed should equipment be required to be driven or moved over the GSC.

The GSCs should be laid on the prepared formation without wrinkles, gaps, folds, slack, stressing or deformation of any kind.

Applications:

- Sea walls, beach and dunes
- Scour protection for waterfront structures
- Erosion control
- Filling of washed out material in dams
- Soil stabilisation in dams

Additional Information

CODE	1000019
U.O.M	Each
Swatch	no_selection