

FiltaBoom™

Silt Retention Boom



FiltaBoom™ Silt Retention Boom is a new innovation by Bioaction in conjunction with its partner Galuku International. While the concept of a retention boom (wattle) is not new, the use of Bioaction FiltaMedia™ within Coir Geonetting makes FiltaBoom™ a very functional solution for silt and contaminate retention. FiltaBoom™ is a very robust and durable construction that will meet the demands of environmental installations.

- Easy and simple installation
- Retains suspended solids (silt & organic matter) and contaminates
- Allows water infiltration and avoids water backing-up
- Open matrix of the FiltaMedia™ and Coir Geonetting reduces blinding
- Robust construction avoids vehicle damage
- Natural organic material can be left to incorporate into the landscape
- Avoids the use of star pickets and wooden stakes



AVOID THE PROBLEMS OF TRADITIONAL SILT RETENTION

Water which flows or is pumped from land disturbance sites can be contaminated by suspended, dissolved, floatable and settleable soil materials, oils, detergents, litter, fertilisers, alkaline cement materials and other chemicals. Soil nutrients and chemical pollutants become attached to and are transported by sediment particles as a result of soil erosion, dewatering of trenches, washing of vehicles, cleaning of concrete supply equipment, careless waste disposal and other similar incidents.

Many of the traditional silt retention systems used today do not adequately address the problem:

- Retaining solid and dissolved contaminates
- Providing adequate flow-through to avoid water build up
- Preventing water diversion and scouring

FiltaBoom™ provides the simple, safe and effective solution!



EASY & SAFE INSTALLATION

FiltaBoom can be easily installed by using a tent peg type stake that is driven through the 150mm leading seam to below the surface.

This installation process avoids the risks associated with using metal star pickets, metal rods and wooden stakes.



ROBUST CONSTRUCTION

FiltaBoom™ is made from Coir Geonetting filled with FiltaMedia™ is a renewable organic fibre from coconut production. It has a polymer-like characteristic making a very robust and structurally sound. It can resist vehicular damage and will not degrade due to environmental exposure. Unlike traditional silt retention, FiltaBoom™ can be left on the ground well after use and it will naturally incorporate into the landscape.

Turf strips can be laid on the upside of the slope hard up against the FiltaBoom™ and covering the exposed seam to increase silt retention and promoting the establishment of grass.

FiltaBoom™ can also be used for bank stabilisation in drainage swails and it can be used for direct planting into the boom itself.



TURFING ENHANCES STABILISATION

FiltaBoom has been designed to have turf laid on the leading seam to increase steep-sloped soil stabilisation. Turf immediately roots to the netting seam of the FiltaPod and provides a stable substrate for the turf to establish.



USE WITH COIRNET

FiltaBoom can be used with CoirNet on sites with erosion potential and where natural regeneration is to be encouraged. CoirNet works synergistic with FiltaBoom as they have the same material properties such as moisture holding and nutrient retention.



FLEXIBLE TO FOLLOW CONTOURS

FiltaBoom is easily laid in drainage swales or eroded gutters. They can be layered up against each other to form a banded structure which can reduce water flow and reduce its destructive energy. Again the installation does not use any protruding fixturing.

