



Shelter

Revolutionary concept of collecting suspended impurities instead of filtering them.

Santai Sangyo Inc.
www.santai.co.jp

Since its foundation in 1952, the company has contributed as a fuel distributor in the region of Hiroshima. In recent years, it works also in the environmental remediation field.

Shelter is a biofilter medium that combines bio filtration and physical filtration simultaneously. Each Shelter piece has many pleats that create micro turbulent eddies and a large surface area for microbial settlement. The high water contact ratio activates the microbial growth, resulting in an efficient aerobic treatment. The geometry of Shelter enables complex but uniform hydrologic pathways. Solids, regardless of their sizes, are effectively captured inside the pleats. Due to its void volume (> 85%), it maintains the ability of high physical filtration for a long time.

Shelter is particularly suitable for recirculating water system such as swimming pools, bathing facilities, fish farms, ornamental ponds and water parks. 50L or less of Shelter is needed to treat 1 t of water depending on its quality. Shelter filled filtration tank can be backwashed (3kg/mpa) and its filtration capacity can be regenerated to > 95%.

