



Geotube[®] Silt Curtain Systems

Turbidity control and sediment pollution prevention



Protective Fabrics
Space Composites
Aerospace Composites
Advanced Armour

Geosynthetics
Industrial Fabrics
Grass

The TENCATE logo, consisting of a stylized orange and blue symbol followed by the word "TENCATE" in bold blue letters.

TENCATE
materials that make a difference

Silt Curtain Systems

Turbidity control and sediment pollution prevention

Turbidity and sediment pollution of water caused by dredging and reclamation works can be effectively controlled through the deployment of engineered silt curtain systems designed according to project specific requirements.

TenCate Geotube® Silt Curtain is an assembly of floats, curtain screens and bottom weights that hangs from the water surface. The function of TenCate Geotube® Silt Curtain is to confine turbid water within a work area and prevent sediment pollution outside the work area. The use of TenCate Geotube® Silt Curtain is usually mandated by environmental regulations related to water pollution control in riverbanks and shoreline constructions, dredging and reclamation works in waterways and impoundments.

The curtain screens are made of special grade high strength woven polyester geotextile that offers excellent water permeability whilst confining sediments and other materials within the silt curtain barrier. The vertically suspended silt curtains are stabilised with a floatation and mooring system. Complete with the necessary accessories, the silt curtains are easily deployed during installation. TenCate Geotube® Silt Curtain Systems are custom designed and manufactured to meet project requirements.

Typical Project Application



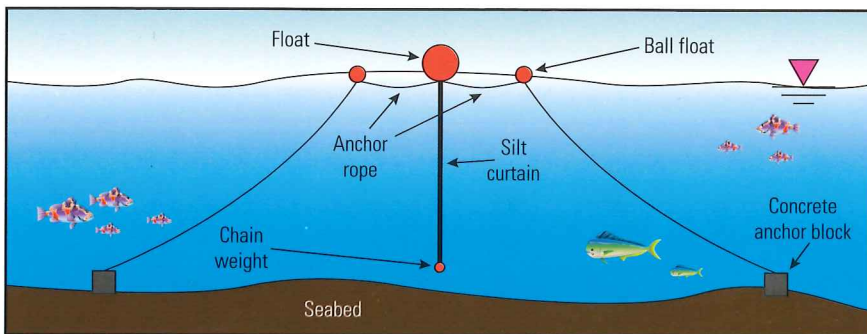
Control of sediment flow into river



Containment of sediment for earthwork filling



Bridge construction containment control



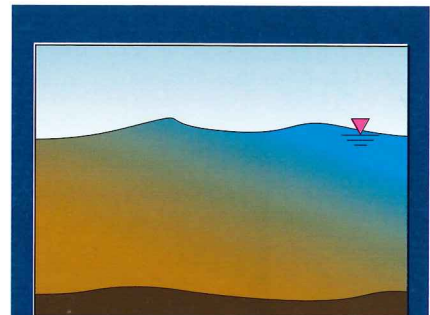
Typical cross section of installed Geotube® Silt Curtain system

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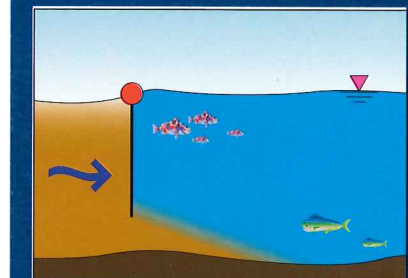
Further details of this application and products can be obtained by contacting your nearest TenCate Technical Support office. Unauthorized reproduction and distribution is prohibited. This document is provided as a supporting service only. The information contained in this document is to the best of our knowledge true and correct. No warranty whatsoever is expressed or implied or given. Engineers wishing to apply this information shall satisfy themselves on the validity of the input data relative to the applicable soil and engineering conditions and in doing so assume design liability.

TenCate Geosynthetics Asia Sdn. Bhd. (264232-U)
14, Jalan Sementa 27/91, Seksyen 27,
40400 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: +60 3 5192 8568 Fax: +60 3 5192 8575
Email: info.asia@tencate.com www.tencategeosynthetics.com

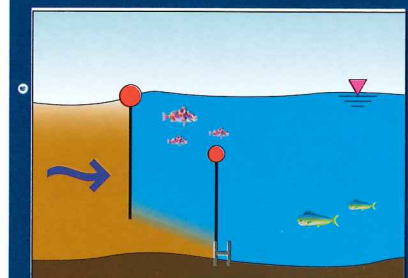
Benefits



Sediment pollution without Geotube® Silt Curtain system



Reduced pollution with a hanging Geotube® Silt Curtain system



A combination of a hanging and standing Geotube® Silt Curtain system for better pollution control