

Concrete Mattress

Geotextile Former

A geotextile bag is fabricated into a mattress, into which grout can be infilled to form a concrete surface layer. The geotextile formwork can be filled in situ at any location.

Articulated Concrete Block Mat (ACBM)

Small precast concrete units can be laced together to form a similar concrete mattress with easy articulation. The mat is supplied flat and can be lifted and placed anywhere.

Customized panel sizes are available, with thicknesses of 100–500mm, fully fabricated at the factory for immediate deployment.



Applications

- Coastal & seawall protection
- Embankment erosion control
- Submarine pipeline cover
- Scouring protection
- Underwater ballast



Shing Mun River scouring protection, July 2005



Embankment protection at Tseung Kwan O, April 2019

The Beauty of Concrete Mattress

- Simple underwater operation
- No need conventional formwork
- Flexibility to conform to irregular surface
- Easy to apply, efficient and precise
- Stable and sustainable
- Cost effective

Handling filled Concrete Mattress



Services that We can Provide

- Application design
- Fabrication and supply of panels
- Method statement and installation assistance



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